UNIVERSITY OF GHANA

(Motto: Integri Procedamus)
Established: AD. 1948

THE ARMS OF THE UNIVERSITY

The University logo: (Blue shield with three “AYA” standing upright in top half and “DWENINMENTOASO” in the middle of bottom half - all embossed in gold,)
(Designed by A.M. Opoku)

MISSION:

To develop world-class human resources and capabilities to meet national development needs and global challenges through quality teaching, learning, research and knowledge dissemination.
This Report satisfies a statutory requirement of the Vice-Chancellor to document annually, the work of the University for Congregation. The Report covers the 2010/2011 academic year.

From the reports of the various faculties you will find that our research institutes and individual faculty members continue to work relentlessly to conduct research in their areas of expertise across various disciplines for presentations at workshops and conferences and for publications. Through the Office of Research, Innovation and Development (ORID) and efforts of individual faculty members, the University has raised funds for research activities in the University. A substantial part of these grants has gone towards capacity building and support for post-graduate research. The University has also allotted ₴500,000 from its resources to small research grants administered by ORID. The University is working on encouraging more multidisciplinary research in order to address the development needs of the country.

As part of efforts to promote quality research, a new structure for PhD programmes in the University has been approved and will come into effect from the 2012/2013 academic year. The key changes to the existing structure are the admission of first degree holders into MPhil/PhD programmes; the introduction of comprehensive examinations before research work begins; the introduction of compulsory course work and the formal defense of research proposals. It is expected that these changes will make our doctoral students more analytical, ensure that they are familiar with current and relevant literature in their fields, and also ensure that our doctoral programmes conform to best practice. This is in line with international best practices and established norms in universities the world over.

The University of Ghana continues to attract younger faculty to replace ageing faculty members. Since the beginning of the academic year, 62 persons have joined the academic senior membership ranks. Of these, 28 already have PhDs. In pursuing the policy of ensuring that all teaching staff obtain PhD or other terminal degrees, there are currently 150 Senior Members on study leave pursuing such degrees with varied forms of support from the University.

We also continue to approve new and revised programmes and courses to enrich our curriculum. We have recently reviewed a number of graduate programmes in the Departments of Modern Languages and French, and the Schools of Public Health and Allied Health Sciences.

The University held an International Education Fair and ‘Home Coming’ Event from 14th–20th November 2011 on the theme “Making Legon a World-Class University for Africa”. The Fair provided an opportunity for industry, employers in the public and private sectors, and the general public to see the research outputs of the various units of the University and to contribute to the development of research and teaching programmes. An international conference to discuss the future development of the University was also held as part of the home coming events.

I am pleased to announce that the University of Ghana has placed 16th on the chart of the “Top 100 Universities and Colleges in Africa” on the 4ICU web rankings for 2012. This ranking is based on the popularity and usage of universities’ websites. In the Webometrics rankings, the University of Ghana has, over the last six years, made a significant leap from the 49th position in 2006 to 19th in 2012. These improvements in ranking can only bode well for the University, as we strive to become more visible, and to achieve a world class status. I urge all of us to continue to work hard to ensure that by next year we are able to make it to the top 10 in these and other rankings.

While acknowledging the hard work of all members of the University community, I would also like to record a deep sense of appreciation to government and the good people of Ghana, our alumni, our corporate and individual friends, and sister affiliated institutions for the continued support and cooperation.

Professor Ernest Aryeetey
Vice-Chancellor
March 10, 2012
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 Academic Year August to May

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UNIVERSITY COUNCIL

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MB ChB (Ghana), FWAC
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**DIRECTORS OF SCHOOLS/INSTITUTES/CENTRES**

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<td>Professor Macarius Yangyuoru,</td>
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<td>BSc (Agric) (Ghana), MSc, PhD (Kyoto)</td>
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<td>Institute of Continuing and Distance Education</td>
<td>Professor Yaw Oheneba-Sakyi</td>
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<td>BA (Ghana), MA (State University of New York), PhD (Brigham Young)</td>
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<td>Professor Clement Ahiadeke</td>
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<td>Regional Institute for Population Studies</td>
<td>Professor Samuel Nii Ardey Codjoe</td>
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<td>BA (Hons) (Ghana), MPhil (Oslo), PhD (Bonn)</td>
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<td>School of Communication Studies</td>
<td>Dr. Margaret Ivy Amoakohene (Acting)</td>
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<td>School of Performing Arts</td>
<td>Dr. Awo Mana Asiedu (Acting)</td>
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<td>Prof. Henrietta J.A.N. Mensa-Bonsu</td>
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<td>LLB (Ghana), LLM (Yale)</td>
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<td>Centre for Tropical Clinical Pharmacology &amp; Therapeutics</td>
<td>Dr. Alexander Nii Oto Dodoo</td>
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BA, MA, PhD (Ghana)

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PhD (Calif) MGhIE MASABE MGSAE

Akuafu
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MPhil (Info. Stud.), (Ghana)

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Hilla Limann
Dr. M. Oteng-Ababio (Acting)
BA, MPhil, PhD (Ghana)

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Dr. Ebenezer O. Owusu (Acting)
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Rev. Dr. Brandford Yeboah(Acting)
DipTh, BA, MPhil (Ghana), PhD (FUTP)

Elizabeth Frances Sey Hall
Mr. K. Adum Kyeremeh
BA, MPhil (Ghana)
ESTABLISHMENT OF THE UNIVERSITY

THE UNIVERSITY OF GHANA was founded in 1948 as the University College of the Gold Coast on the recommendation of the Asquith Commission, on Higher Education in the then British colonies. The Asquith Commission, which was set up in 1943 to investigate Higher Education, recommended among other things, the setting up of University Colleges in association with the University of London. This was followed up by a number of separate Commissions in different regions. The West Africa Commission was under the Chairmanship of the Rt. Hon. Walter Elliot. The Elliot Commission published a majority report which recommended the establishment of two University Colleges in the Gold Coast (Ghana) and Nigeria, and a minority report which held that only one University College for the whole of British West Africa was feasible. The British Government at first accepted the minority report of the Elliot Commission and decided that a University College for the whole of British West Africa should be established at Ibadan in Nigeria. But the people of the Gold Coast could not accept this recommendation. Led by the scholar and politician, the late Dr. J.B. Danquah, they urged the Gold Coast Government to inform the British Government that the Gold Coast could support a University College. The British Government accordingly reviewed its decision and agreed to the establishment of the University College of the Gold Coast.

The University College of the Gold Coast was founded by Ordinance on August 11, 1948 for the purpose of providing for and promoting university education, learning and research. Its first Principal was the late Mr. David Mowbray Balme. Mr. Balme was farsighted, courageous and dedicated to the promotion of scholarship. By his vision, industry and single-mindedness of purpose, he built a college and laid the foundations for a sound University which is now a source of pride. In his ten years of Principalship, he created an institution whose key-note was orderly living with dignity in a community of scholars. One of the recommendations of the Asquith Commission was that the British Government should set up an Inter-Universities Council to advise on all matters relating to Higher Education in the new British Colonies. The Inter-Universities Council served the new University College of the Gold Coast in an advisory capacity, but it approved all academic appointments. This arrangement helped the College to maintain the high academic standards associated with the Universities in Britain. Also, it enabled the College to seek support of the Council in obtaining funds from the United Kingdom Government sources.

From its inception, the University College of the Gold Coast was admitted to the Scheme of Special Relationship extended by the University of London to certain English and overseas University Colleges. Under this scheme, the
University College was allowed to teach for the external degree examinations of London University. It also allowed the College to modify the London syllabuses to suit local conditions and to take part in the setting and marking of Main Entrance examinations. But London University gave final approval to courses and examinations since the degrees given were those of the University of London. For thirteen years, therefore, the University College looked up to two separate institutions in Great Britain: to the Inter-Universities Council for guidance on its broad policy, and to the University of London for approval and control of details of degree regulations. The University College benefited greatly from this arrangement which certainly helped to maintain its high academic standards.

In the 1960-61 academic Year, the College Council made a request to the Government of Ghana for legislation to constitute the University College into a University with the power to award its own degrees. The Government appointed an International Commission to examine the problem. On the recommendations of that Commission, the University of Ghana was set up by an Act of Parliament on October 1, 1961 (Act 79). The then President of the Republic of Ghana, Dr. Kwame Nkrumah, became the first Chancellor of the University, with Nana Kobina Nketsia IV, BLitt Dphil (Oxon), Omanhene of Essikado, as the (Interim) Vice Chancellor.

ENROLMENT AND GRADUATION STATISTICS: With a current student population of 36,089 (representing male/female ratio of about 3:2) the University of Ghana is the oldest and largest of the six public Universities in Ghana.

ASSOCIATIONS AND LINKS: The University of Ghana is a member of the International Association of Universities (IAU), the Association of Commonwealth Universities (ACU) and the Association of African Universities (AAU). The University is also a member the League of World Universities (which comprise 47 renowned research universities all over the world). The University has also established academic and research links with several Universities and Research Institutions worldwide. In addition, the University has also been linked to the Norwegian Universities’ Committee for Development Research and Education (NUFU), the Council for International Educational Exchange (CIIE) based in New York, International Student Exchange Programmes (ISEP) and the Commonwealth Universities Student Exchange Consortium (CUSAC), among others.

INSTITUTIONAL AFFILIATIONS: There are currently a number of institutes/colleges locally which hold affiliation with the University of Ghana for the purpose of enrolment, teaching and award of degrees and diplomas of the University. These affiliations cover non-degree, Bachelor’s degree and post-graduate degree programmes.

Institutes/Colleges which presently hold affiliation status with the University are as follows:

1. St. Peters Seminary (Cape Coast) – Diploma/Bachelor of Arts
2. St. Paul Seminary (Sowutoum) – Bachelor of Arts
3. St. Victor’s Seminary (Tamale) – Diploma/Bachelor of Arts
4. Trinity Theological Seminary (Legon) – Diploma/Bachelor of Arts
5. Christian Service Seminary (Kumasi) – Diploma
6. Ghana Baptist Seminary (Kumasi) – Diploma
7. National Film and Television Institute – Bachelor of Arts (Film & (NAFTI) Television)
8. Ghana Institute of Journalism (GIJ) – Bachelor of Arts (Journalism & Public Relations)
9. Regional Maritime Academy – Master of Arts (Shipping & Port Management)
10. Ghana Armed Forces Command and Staff College – Masters Degree (International Relations)
11. Ghana Institute of Languages – Bachelor of Arts (Translation)
12. Ghana Institute of Management and Public Administration – Masters Degree in Development Management (MDM)
13. Islamic University College – Bachelor of Arts
14. Pentecost University College – Certificate/Diploma
15. Catholic University College – Bachelor of Arts/Bachelor of Science (Information/Commercial/Technology)
16. Methodist University College – Bachelor of Arts/Business Administration
17. Wisconsin University College, Ghana – Bachelor of Arts/MA in Adult Education
The campus of the University lies about 13 kilometres north-east of Accra, the capital of Ghana, at an altitude of between 300 and 400 feet. From the Main University Gate on the Dodowa Road, the University Avenue extends to Commonwealth Hall on Legon Hill.

Along it are grouped other Halls of Residence, Departments, lecture theatres and laboratories. Mid-way, an open space – the University Square – with an ornamental pool is over-looked by the Balme Library (named after David Mowbray Balme, the first Principal of the University College). Across from the University Square are sports fields, a central cafeteria and halls of residence. Behind Commonwealth Hall is an open-air theatre with a Grecian style auditorium built into the slope of Legon Hill. On the summit of Legon Hill is the Convocation Group of Buildings which houses the University’s administration offices, the Great Hall, with a seating capacity of 1,500 and a Tower donated by the Government of Ghana in 1959 to commemorate Ghana’s Independence. On the southern side of the campus are residential accommodation for staff, the University Primary School, the Alumni Centre and the Noguchi Memorial Institute for Medical Research, School of Public Health, Sports Stadium, International Students Hostel, Jubilee Hostel while on the Northern side are teaching departments, lecture theatres and laboratories. Across the Accra-Dodowa road from the Main University Gate is a Police Station, and behind it is a University Hospital with 60 beds and houses for members of the Junior Staff.

The College of Health Sciences has its administration as well as the Medical/Dental/Allied Health Sciences Schools located at the Korle-Bu Teaching Hospital, which is about three kilometers west of the centre of Accra, and about 18 kilometres from the main University campus.

UNIVERSITY OF GHANA CAMPUSES

The University of Ghana has three main campuses, namely Legon, Korle Bu and Accra City Campus.

- **Legon Campus**: The Legon Campus lies about 13 kilometers north-east of Accra, the capital of Ghana. This is where most of the University’s teaching and research are carried out. The Legon Campus also houses the central administration of the University. In addition to the five traditional halls namely Legon, Volta, Commonwealth, Akuafo and Mensah Sarbah, there are three other hostels namely the Valco Trust Hostel, the International Student’s Hostel and the University of Ghana Students Hostels Complex. There are a number of private hostel facilities within the environs of the Legon Campus.

- **Korle Bu Campus**: The Korle-Bu Campus, headed by a Provost, houses the College of Health Sciences which is made up of the Medical School, Dental School, the School of Public Health, Noguchi Memorial Institute for Medical Research, the School of Allied Health Sciences, the School of Nursing and the School of Pharmacy.

- **Accra City Campus**: Strategically located in the heart of the city, Accra City Campus is the new name for the re-structured External Degree Centre of the University of Ghana which operated at the Accra Workers College.

*Edzii Quadrangle*
COLLEGES, FACULTIES, INSTITUTES, SCHOOLS AND RESEARCH FACILITIES

Academic life of the University of Ghana is centered around Colleges, Faculties, Institutes/ Schools and Centres of Research/Learning.

COLLEGES

COLLEGE OF HEALTH SCIENCES
There is a College of Health Sciences, which is presently constituted by five Schools, four of which are of the status of Faculty, a non-departmentalized school and one research institute. These are:

MEDICAL SCHOOL: Anaesthetics, Anatomy, Medical Biochemistry, Centre for Tropical Clinical Pharmacology and Therapeutics, Chemical Pathology, Child Health, Community Health, Haematology, Medicine and Therapeutics, Microbiology, Obstetrics and Gynaecology, Pathology, Pharmacology, Physiology, Psychiatry, Radiology, Surgery.

DENTAL SCHOOL: Oral Biology (Dental Anatomy and Oral Physiology); Bio-material Science; Restorative Dentistry; Paedodontics; Preventive and Community Dentistry; Oral and Maxillofacial Surgery and Radiology; Oral Pathology and Oral Medicine; Orthodontics.

SCHOOL OF ALLIED HEALTH SCIENCES: Medical Laboratory Sciences, Radiography and Physiotherapy.

SCHOOL OF PUBLIC HEALTH: (non-departmentalized) currently offering degrees at Post-graduate levels only. In addition, the School runs a short course (6 weeks) in Social Mobilization in Health and Development.

NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH: An institute for research into Medical and paramedical issues.

SCHOOL OF NURSING: Community Health, Maternal & Child Health, Mental Health, Adult Health, Research, Education and Administration.

SCHOOL OF PHARMACY

COLLEGE OF AGRICULTURE AND CONSUMER SCIENCES

SCHOOL OF AGRICULTURE: Agricultural Economics & Agribusiness, Agricultural Extension, Animal Science, Crop Science, Family and Consumer Sciences and Soil Science

SCHOOL OF VETERINARY MEDICINE

INSTITUTE OF AGRICULTURAL RESEARCH: Livestock & Poultry Research Centre – Legon, Soil & Irrigation Research Centre - Kpong and Forest & Horticultural Crops Research Centre - Kade

West Africa Centre for Crop Improvement

FACULTIES

ARTS: Philosophy & Classics, English, Language Centre, Linguistics, French, Modern Languages (Arabic, Russian, Spanish, Swahili), Study of Religions and the School of Performing Arts (with Departments of Dance Studies, Music and Theatre Arts).

LAW: Law (non-departmentalized).


ENGINEERING SCIENCES: Agricultural, Biomedical, Food Process, Materials Science and Engineering (Ceramics Option) and Computer Engineering.

RESEARCH INSTITUTES AND SCHOOLS

THE UNIVERSITY OF GHANA BUSINESS SCHOOL: The Business School was originally established by statutory instrument in January 1960, as the College of Administration, at Achimota. It had begun as the Department of Commerce in the then Kumasi College of Technology (now Kwame Nkrumah University of Science and Technology); this Department was transferred to the Western Compound of Achimota to form the nucleus of the College of Administration. The main idea behind the transfer was that the new College would serve as a comprehensive institution, which would provide various training programmes required to meet the needs of administrative and accounting personnel in the rapidly expanding economy of Ghana. The move was also intended to give the College scope for expansion within the relatively more mature business environment of Accra and to afford both Faculty and students opportunities for close contact with the business community. The College was responsible for organizing courses in Accounting, Secretaryship, Central and Local Government Administration and Hospital Administration. These courses led to the examination of United Kingdom statutory bodies: The Association of Certified and Corporate Accountants (ACCA), The Chartered Institute of Secretaries (CIS), The Corporation of Certified Secretaries (CCS), The Clerical Examinations for Local Government Officers (NALGO) and Institute of Hospital Administration. Though useful, the courses were not fully satisfactory because they were foreign oriented, dealing mainly in United Kingdom institutions and were not properly adapted to experience and practice in Ghana. It was, therefore decided in 1961 to reshape them and make them more relevant to national needs. In order to give the study of Administration its proper place in the country’s higher education system, and to attract the best candidates, it was decided that courses run by the College should be at University level. It was thus agreed that the College of Administration should be associated with the University of Ghana and its main courses developed to the University’s degree standard. Hence in October 1962, the College of Administration was integrated into the University of Ghana. The College was given a status comparable to that of a faculty in the University and was redesignated School of Administration. Its students were gradually moved from Achimota to the University’s students’ Halls of Residence at Legon, and on February 18, 1967, the new building of the School, centrally situated at Legon, was opened. In 2004, the name was once again changed to the Business School. The School is governed by the Statutes of the University and controlled by the University Council and the Academic Board. It does, however, continue to receive earmarked grants direct from Government, and within the framework of general University-wide policy, maintains a good degree of freedom to develop its own associations and schemes. It has a mandate to organize courses and seminars from time to time either on its own or in association with other bodies, to satisfy identified areas of need in the fields of Business and Public Administration.

THE MEDICAL SCHOOL: established in 1964 by command of government under the Ministry of Health as an autonomous institution in special relationship with the University of Ghana. The primary objectives of the Ghana Medical School (as it was then known) was to train:

i. a broad-based generalist practitioner with sufficient grounding for subsequent specialization.
ii. a practitioner functionally attuned to and therefore responding aptly to the needs and exigencies of his/her environment. He/she shall attain internationally accepted standard.
iii. a practitioner who has participated in health care delivery while under instruction and therefore cognisant of the problems of delivery of health care in the rural/urban settings.
iv. an individual who accepts responsibility for self-learning and therefore readily responsible to the call for continuing medical education; and
v. an advocate for community health needs.

Arrangements to integrate the medical school formally into the University of Ghana were concluded in 1969 in time to permit the award of the degrees of Bachelor of Medicine and Bachelor of Surgery (MB ChB) of the University of Ghana (Legon) to the first class of 39 medical graduates to be trained in Ghana. The Ghana Medical School thus became the University of Ghana Medical School in October 1969. However, it still retains its financial autonomy
and has its own Executive Council and School Board. These arrangements have been given legal backing under the provisions of Schedule D of the Statutes of the University. The curriculum of the School has been revised on three occasions (1972, 1980 and 1991) to further enhance the training of doctors. Currently, the curriculum allows for courses leading to the award of a BSc degree in Medical Science in addition to the MB ChB professional degree. The Medical School is the largest single faculty of the University, presently.

THE DENTAL SCHOOL: The University of Ghana Dental School was established to undertake the clinical training of dental surgeons locally, which had hitherto been carried out abroad. Established in 1991, the University of Ghana Dental School runs a three (3) year clinical programme leading to the Bachelor of Dental Surgery (BDS) degree. The School started as a department of the Medical School in 1974, but prior to its establishment, dental students had their Basic Science training at the Medical School before proceeding to undertake the clinical aspects of the programme abroad. The Academic department at inception in the 1992/1993 Academic Year was the Department of Basic Dental Science. Currently, dental students pursue the Basic Science and Para-clinical courses at the Medical School, leading to the BSc. (Med. Sci.) degree before proceeding to the Dental School for the clinical part of the programme. The Dental School is a constituent part of the College of Health Sciences, which groups together all the health related institutions within the University of Ghana, under a common Administrative system. The goal of the University of Ghana Dental School is to produce competent, knowledgeable and skilled dental surgeons who will provide full range of general dentistry in the context of whole patient care. Graduands of the School are expected to have right professional attitude and a critical and analytical mind to be able to identify and solve oral health problems.

SCHOOL OF ALLIED HEALTH SCIENCES: The Ministry of Health, in 1998, initiated the establishment of a School of Allied Health Sciences to produce medical and dental technical graduates through the Medical School. Programmes for this school included physiotherapy, medical laboratory science, radiography and therapy radiography. The Academic Board and the University Council approved this proposal in 1999. In the year 2001, this School came into being as one of the constituent schools of the newly established (in 2000) College of Health Sciences. An earlier Diploma in Medical Laboratory Technology also sponsored by the Ministry of Health in 1994 was phased out, with the birth of the School of Allied Health Sciences.

SCHOOL OF NURSING: The School was formerly a Department in the Faculties of Science and Social Studies. In 2003 the University Council approved its conversion into a School. It is currently one of the constituents of the College of Health Sciences. The School has a strong link with the University of Alberta in the running of its MPhil programme. It offers undergraduate and graduate programmes in Community Health Nursing, Maternal & Child Nursing, Mental Health Nursing, Adult Health Nursing and Research, Education & Administration.

SCHOOL OF PUBLIC HEALTH: The School of Public Health was established in October, 1994, through collaboration between the Ministry of Health in Ghana and the University of Ghana, primarily to train public health workers to enable them perform effectively at District, Regional and National levels within governmental, quasigovernmental, non-governmental and private organizations. The programmes are also available to non-health personnel whose activities have an impact on the environment and public health. Properly trained Public Health personnel will be able to offer technical leadership in critical units such as Maternal and Child Health/Family Planning, Environmental Diseases Control, Health Information, Training, Research and Planning and in the running of specific disease control programmes such as AIDS, Tuberculosis, Leprosy and Onchocerciasis Control Programmes. The School runs four (4) programmes, namely, National Diploma in Public Health (NDPH), Master of Public Health (MPH), Master of Philosophy in Public Health (MPhil) and Doctor of Philosophy in Public Health (PhD). The philosophy of the School is to operate as a “School without Walls” with semi-autonomous status, but with a close working relationship with the existing Schools and Faculties of the University. It is one of three Public Health Institutions in Africa that subscribe to the philosophy of school without walls meaning that attempts are made to achieve an optimum mix of classroom and field work. The School admitted its first batch of students for the MPH programme in October 1994. In addition to its range of academic programmes, the School offers short certificate courses on specific health issues. Effective January 1, 2000, the School of Public Health became one of the health-related institutions grouped under the newly established College of Health Sciences.

INSTITUTE OF AFRICAN STUDIES: The Institute of African Studies was set up in 1961 as a semi-autonomous institution within the University of Ghana, with a mandate of conducting research into all aspects of the arts and the social studies in Africa. Areas of research undertaken by the Institute include African History and Politics; African Societies and Cultures; Gender and Culture in African Societies; Family Studies; African Languages, Literature and Drama; African Religions and Philosophy; Media and Visual Arts; Music and Dance as well as Women and Gender Studies.
In addition to offering graduate courses in the above-listed areas, the Institute also teaches a mandatory one credit compulsory course in African Studies to all undergraduate degree students of the University. Orientation courses are available for special admission students from other institutions and agencies.

The Institute has a Publications Unit; a Library, which supplements the Africana collection of the Balme Library; a Bindery, and a resident professional Dance Company (the Ghana Dance Ensemble) which was started in 1962 by the then Ghana Institute of Arts and Culture to link the University of Ghana with the national theatre movement.

The Institute oversees the Manhyia Archives of the Asantehene’s Palace (in Kumasi), and operates a Chalets, which is a hospitality unit. The International Centre for African Music and Dance (ICAMD) has recently become part of the units of the Institute. Interdisciplinary seminars and symposia are organized regularly at the J. H. Kwabena Nketia Conference Hall of the Kwame Nkrumah Complex.

The Institute also has a museum with cultural exhibits for teaching and research. The museum is currently hosting an exhibition of gold weights.

**SCHOOL OF PHARMACY:** The University of Ghana School of Pharmacy (UGSOP), the newest constituent of the University’s College of Health Sciences, was established in November 2007. Accreditation for the School was obtained from the National Accreditation Board and Pharmacy Council in April 2008 and August 2008 respectively. Academic work commenced in August 2008 with the enrolment of the first batch of 34 students. The School is academically structured and professionally resourced to develop world class pharmacy graduates with capabilities to meet the national pharmaceutical challenges and patient care needs. It will also prepare pharmacy students for the increasingly complex patient centred issues relating to all aspects of rational pharmacotherapy. Programmes of the School are designed to ensure that upon graduation the products will have the capabilities to appreciate and demonstrate the importance and significance of research in advancing pharmaceutical care and developing sustainable life-long learning habits. The School currently offers courses in five disciplines, namely: pharmaceutics & microbiology, pharmacology & toxicology, pharmaceutical chemistry, pharmacognosy & herbal medicine and pharmacy practice & clinical pharmacy.

**INSTITUTE OF CONTINUING AND DISTANCE EDUCATION:** Established originally as the Department of Extra-Mural Studies in 1948, the Institute provides university-based adult education through its branches and workers’ colleges throughout the country. It provides both formal and non-formal programmes. The formal programmes consist of Diploma, Graduate Diploma and Masters and Doctoral degree courses in Adult Education; external degree courses in the Humanities, and Management and Accounting, remedial courses for Senior Secondary School Certificate Examinations (SSCE). The non-formal programmes comprise community education programmes in health, family life education, nutrition, civic education, community initiative and adult literacy. The Institute is directly involved with the organisation of a People’s Education Association to support its work. Public lectures, seminars and workshops form a vital part of the Institute’s activities. The most popular and national of these is the Annual New Year School which has been held regularly since 1948.

**INSTITUTE OF STATISTICAL, SOCIAL AND ECONOMIC RESEARCH:** It was established in 1966 as the Institute of Statistics. In addition to its original concern with problems related to statistics, the Institute has expanded into the field of social and economic studies. The Institute offers Certificate and Diploma courses in Statistics as well as a Master of Arts degree in Development Studies.

**INSTITUTE OF AGRICULTURAL RESEARCH:** was reconstituted from the three research stations (now centres) and established in May, 2004. The three Agricultural Research Centres are; Legon (about 12 kilometres outside the main campus on the Accra-Aburi trunk road), Kpong on the Accra plains (about 90 kilometres north-east of Legon and about 3 km from the Accra-Akosombo road, on the shorelines of the Kpong hydroelectric dam), and Kade in the Forest Zone, in the Eastern Region (approximately 135 kilometres from Legon). The three Centres are under the supervision of the Director of the Institute. Apart from research, the Centres provide technical and practical training for students of agriculture and extension agents of the Ministry of Food and Agriculture as well as training facilities for farmers and other interested persons.

Legon Agricultural Research Centre: The Centre at Legon (established in 1953) covers an area of about 740 hectares. Main activity focuses on research and production of livestock (eg. poultry, sheep, goats and pigs) and livestock products.
Emphasis is on animal breeding, animal nutrition, veterinary clinic and pasture improvement and the development of dairy cattle by crossbreeding.

Kpong Agricultural Research Centre: The Kpong Centre (established in 1954) covers an area of about 1024 hectares. Research focuses mainly into mechanized irrigated agriculture on heavy black soils (vertisols) of the Accra plains with the following as target crops; rice, sugar cane, cowpea, soya bean, vegetables and mangoes well as beef cattle. Kade Agricultural Research Centre: The Centre at Kade (established in 1957) covers an area of 1090 hectares. It is mainly concerned with research into production of forest zone crops such as citrus, plantain, cocoyam, oil palm and rubber. There are also integration of livestock (sheep) and tree crops for teaching and demonstration purposes.

NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH: The Institute was established in 1979 in a building funded by the Government of Japan to serve as a monument in memory of Dr. Hideyo Noguchi, a Japanese medical scientist who died in Accra in May, 1928 while investigating yellow fever. The Institute provides a base for medical co-operation programmes between Ghanaians and Japanese scientists, and a centre for conducting medical research relevant to Ghana’s needs. Research is conducted into problems of communicable diseases while graduate students are trained in medical research. Facilities at the Institute include specialized laboratories and services in support of public programmes. From January 1, 2000, the Institute became one of the health-related institutions grouped under the newly established College of Health Sciences.

REGIONAL INSTITUTE FOR POPULATION STUDIES: Established jointly in 1972 by the United Nations Organisation and the Government of Ghana, it promotes and strengthens research and training in demography for students from English-speaking countries in Africa. The Institute offers MA, MPhil and PhD degree courses. The Institute organizes seminars, workshops, ad hoc courses of study and in-service training in Demography and related fields at the request of governments and institutions mainly in English-speaking African countries. Given its regional and international character, a significant number of the Institute’s students come from other African countries.

SCHOOL OF COMMUNICATION STUDIES: Established in 1973 as the Institute of Journalism and Mass Communication, the School offers programmes leading to a one-year MA and a two-year MPhil degree in Communication Studies. It provides future journalists and media practitioners with the theoretical understanding and the professional skills and techniques required in the mass media.

In consonance with its mandate, School of Communication Studies offers a 15 - month M.A. in Communication Studies, and a two-year M.Phil. in Communication Studies. Both degree programmes have as core courses theoretical as well as profession-based courses. Students are also required to do a two-month-long internship and a dissertation.

In June 2009, the School began a Sandwich M.A. programme geared towards communication professionals, especially mid-career professionals. Coursework for the Sandwich M.A. Programme will be completed during two long vacation periods (June to August) and students would be required to submit short projects and term papers throughout the duration of the course. Students will be expected to complete and submit their dissertations by October of year two.

SCHOOL OF PERFORMING ARTS: Established in 1962 as the School of Music and Drama under the Institute of African Studies, it comprises the Department of Dance Studies, Department of Music and the Department of Theatre Arts. These three departments provide core courses for diploma, bachelor’s and post-graduate degrees in Music, Theatre Arts and Dance. The School also runs a Bachelor of Fine Arts (BFA) and Master of Fine Arts (MFA) degree programmes. Occasionally, the school organizes a one-year certificate course in Theatre Arts for foreign students on special admission. Training programmes for teachers and schools, amateur drama groups, choirmasters and singing groups are also available. The School has a Resident Theatre Company called ‘Abibigromma’.

SCHOOL OF GRADUATE STUDIES: The School of Research and Graduate Studies is the central focus within the University for arrangements for graduate studies and research. Although academic matters are dealt with by the departments concerned, the School is responsible for admission, registration, study programmes and thesis examination of all graduate students. The School also serves as the repository of all records on graduate students. In September 2009, the University Council approved a proposal to separate Graduate Studies from Research Administration. Under its new structure, the School’s mandate has been expanded to include:

- Promoting the development, diversification and effective delivery of post-graduate programmes to address emerging national and global issues;
• Accreditation of all faculty teaching and supervising graduate programmes to maintain high standards and ensure high quality graduate programme output;
• Monitoring and evaluation of general performance on graduate programme delivery.

The School is headed by a Dean who is of professorial status and appointed by the Academic Board. The Dean is assisted by a Vice-Dean, an Executive Secretary, and a team of administrative staff. The function of research administration, which under the new arrangements is to be developed into an Office of Research, Innovation and Development (RID) continues to be carried out by the School in the meantime. This function includes grant applications and reporting, contract report (including consultancy), ethical clearance, registration, patenting, commercialization of intellectual property and management of external funds.

ACCRA CITY CAMPUS (Formerly The External Degree Centre): The City Campus grew out of the 1960 Commission on University Education in Ghana which recommended the organization of courses leading to the degrees of the University of Ghana for persons who intend to study for such degrees on part-time basis. It started as The External Degree Centre, established by the University of Ghana during the 1963/64 academic session and charged with the responsibility of offering on part-time basis courses in the Humanities available to full-time students of the University of Ghana except, perhaps, the laboratory based courses. The Academic Board subsequently decided to make the Institute of Adult Education the implementing agency and the Accra Workers College as the venue. Two main categories of persons were identified for the programme

i. Persons who are normally qualified for university education but who, for various reasons, prefer not to study as full-time External students;
ii. Persons who are considered “Mature” and capable of pursuing degree programmes but who do not possess the requisite university entry qualifications. Applicants who fall into this category are required to be at least 30 years of age at the time of submitting application. They are also required to pass an examination conducted by the university which is intended to test intellectual capability and promise rather than knowledge of particular subject.

The External Degree Centre offered courses leading to the BA and BSc (Administration) degrees. The syllabuses and other requirements for the degrees are the same as those used by the University of Ghana for full-time students except that study at the Centre is part-time/off-campus and duration extends over a period of not less than eight semesters and not exceeding 12 semesters.

The External Degree programme was originally conceived as a university programme in which all departments in the Faculties of Arts, Social Studies, Law and Administration would participate. The courses offered at the Degree Centre are taught by lecturers from the faculties of the University who are recruited through their Heads of Department. This arrangement was adopted to ensure that lecturers who teach the courses on campus are the same lecturers who teach at the External Degree Centre. Part-time students at the External Degree Centre were, therefore, not to be disadvantaged vis-à-vis their full-time colleagues since both groups of students wrote the same examination. The arrangement thus guaranteed parity of esteem between the on-campus and off-campus programmes.

In 2002, the Academic Board of the University approved an arrangement to transform the External Degree Centre into the Accra City Campus of the University of Ghana, to offer part-time degree programmes in Bachelor of Arts (BA) and Bachelor of Science in Administration (BSc Admin). Admission is on fee-paying basis and students are free to subscribe to programmes/subjects of their choice. Time-tabling is made flexible so as to accommodate the needs of workers. Entry requirements remain the same as for admission to the main University.

CENTRES OF RESEARCH/LEARNING

REGIONAL TRAINING CENTRE FOR ARCHIVISTS: Since 1974, the University has hosted the Centre within the Department of Library and Archival Studies. It offers a sub-degree Diploma course in Archives Administration for anglophone countries in Africa as well as a Graduate programme in Archival Studies. In the 2000-2001 academic year, a Bachelor’s degree programme in Library, Archives and Information Studies was added to its range of academic programmes. The Department of Library and Archival Studies has assumed a new name: The Department of Information Studies, a move aimed at bringing the name of the department to fall in line with the new focus of its work.
LANGUAGE CENTRE: The Language Centre was founded in 1970 as a Centre for research in Language use in Ghana, having the status of a department in the Faculty of Arts. For the first ten years of its existence, it was supported by a grant from the Carnegie Corporation, which funded the building it occupies. It later received Ford Foundation support, especially for staff development. The British Council supplied its Language Laboratory in 1980 and has provided small sums at various times. The focus of the Centre is on research and teaching related to the improvement of performance in the languages used in Ghana as vectors of education, culture and community interaction - English, the official language, and various Ghanaian languages.

CENTRE FOR TROPICAL CLINICAL PHARMACOLOGY AND THERAPEUTICS: The Centre for Tropical Clinical Pharmacology and Therapeutics was established in the University of Ghana Medical School in 1982 with a grant from the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR). The grant was to increase research and training capabilities in Clinical Pharmacology, especially pharmacokinetics of antimalarial, antischistosomal and antifilarial drugs. The grant period was from 1982-1986. The Centre has the status of a department in the Medical School. The principal activities of the Centre are directed towards achieving the institutional objectives of the University of Ghana Medical School.

LEGON CENTRE FOR INTERNATIONAL AFFAIRS AND DIPLOMACY (LECIAD): The Legon Centre for International Affairs (LECIAD) was specifically established in 1989 by the University as an International Relations and Diplomacy institute within the Faculty of Social Studies at the request of Ghana’s Foreign Ministry. LECIAD has since earned a reputation as a dynamic, innovative, prestigious and world renowned institute for studies in International Affairs.

LECIAD is mandated to fulfill the following goals:

i. To produce through M.A. and other higher degrees, well-informed, highly qualified and specialized human resource for Ghana’s foreign and allied services, such as, the Military, Police, Immigration, Parliament and Customs, Excise and Preventive Services;

ii. To provide opportunities for continuing education for the target personnel of the services through workshops, conferences, seminars, symposia, and occasional lectures;

iii. To carry out research on topical issues on Ghana and Africa’s foreign policies, as well as, relevant events, and to disseminate the results through publications, releases and commentaries in newspapers, radio and television;

iv. To enhance legislative oversight in democratic governance and foreign policy; and,

vi. To make these facilities available to other states both in the West African sub-region and the rest of Africa.

LECIAD has since become a cosmopolitan academic institution and community offering a number of well subscribed programmes and attracting graduate research and coursework students from varying educational and professional backgrounds and from many countries, especially from Africa and North America. The Centre also offers short-term specialization course in Peace Support Operations (PSOs), and Peace and Conflict Studies for peace activists mainly from Africa. The Centre is also expanding its extra curricula activities through community outreach and advocacy programmes.

LECIAD’s philosophy and approach to teaching and research in International Affairs is all-encompassing. It is based on a critical and continuously evolving debate that seeks to empower our students to understand the past and the challenges of our present world especially the post-Cold War and post-9/11 dynamics. As an institution located in Africa, LECIAD focuses on addressing some of the persistent challenges facing Africa.

The Centre’s values are thus shaped by the history of Ghana as Africa’s political liberation forerunner, and doyen of democracy and good governance. Africa’s standing in the global political economy informs the Centre’s adoption of a problem-solving approach to the study of international affairs. The Centre thus combines theory and research in order to come to terms with the issues of critical international community.

Throughout its existence, LECIAD has explored the Ghanaian and African perspective in International Affairs by contributing to public discourse and sensitizing the general public on problems confronting Africans, both on the continent, in the Diasporas, and the developing world. The Centre has since its establishment made a significant
contribution to such areas as, conflict Resolution and Human Rights Studies, Regionalism, Peace Support Operations, International Law and Diplomacy, the UN system, International Finance and Development, as well as International Political Economy especially through its flagship, the Legon Journal of International Affairs (LEJIA).

As a multi-disciplinary research Centre delivering education to a diverse student body, through a variety of models, LECIAD complements its high calibre and world class core faculty strength with scholars from other departments within the University such as, Economics, Political Science, Administration, and the natural and medical sciences, as well as from the Foreign Service Establishment. The Centre also hosts a number of visiting scholars.

THE INTERNATIONAL CENTRE FOR AFRICAN MUSIC AND DANCE: The International Centre for African Music and Dance was established at the University of Ghana in the 1992-93 academic year to serve as a focus for the development of materials and programmes in African Music and Dance that meet the needs of scholars, research students and creative artists. It is intended:

i. to provide a forum for international meetings, conferences, seminars, workshops and special events in African music and dance;
ii. to serve as an Archival Documentation and study centre for African Music and Dance;
iii. to promote and coordinate research, creative and development projects in music and dance;
iv. to prepare and publish monographs, source materials, bibliographies and an International Journal of African Music and Dance, and to serve as a clearing house for information on events, artists, scholars and institutions concerned with the study and promotion of African music and dance.

The Centre operates as a unit within the School of Performing Arts which offers diploma and degree courses of the University of Ghana in music, dance and drama. In addition to participation in the Centre’s programmes, visiting scholars and students affiliated to the Centre will be able to avail themselves of the classes and private lessons in African music and dance given by the traditional musicians and dance instructors of the School as well as the facilities of the reference library of the Institute of African Studies which is adjacent to the School of Performing Arts and which has a valuable collection of Africana. The Centre is governed by an International Advisory Board consisting of three ex-officio members and twelve ordinary members, six of whom represent the major sub-regions of Africa, while the remaining six represent institutions and scholars in Asia, Europe, North America, Latin America and the Caribbean.

The Centre has three categories of membership:

i. Associate Membership, offered to directors of cooperating institutions, scholars in ethnomusicology, music education, dance ethnology or related fields who have good track record of research and publications, and creative artists who have distinguished themselves in some area of African performing arts.
ii. Ordinary Membership, open to individuals through journal subscription, and
iii. Corporate Membership, offered to music and dance organizations and institutions with manifest interest in African music and dance.

The programmes of the Centre take into account the need for developing materials and resources that will make it a conference and study centre, a base for the dissemination of knowledge and materials about African music and dance as well as a place for organizing short term training programmes, including management training seminars in culture and development with particular reference to African music and dance. To enable scholars and creative artists from other African countries to contribute to this programme or use the facilities of the Centre for research and writing or presentations, provision has also been made for a few visiting Fellowships. Other scholars and artists coming on their own can register with the University of Ghana as affiliates or associates of the Centre.

CENTRE FOR GENDER STUDIES AND ADVOCACY: The Centre for Gender Studies and Advocacy (CEGENSA) was established by the University Council in 2005, and was officially inaugurated on 14th March 2006. The Centre is currently located at the Institute of African Studies which is hosting the Centre until it can move into its own facilities. The Centre’s initial activities are supported with a core TALIF grant (Teaching and Learning Innovative Fund). The Centre has eight faci areas: Academic Planning and Curriculum development – including the development of short courses, engendering existing courses and building capacity in curriculum development; upgrading the Resource Centre; policy planning; the development of mentoring programmes for junior faculty and students; the creation of a sexual assault crisis and counselling unit; the professional development of counsellors for the counselling unit; research, and outreach and extension work.
CENTRE FOR MIGRATION STUDIES AND RESEARCH: The Centre for migration studies and research serves as a co-ordinating point for all stakeholders involved in teaching, research, advocacy and extension activities in migration within and outside the University. Its key objectives are: to co-ordinate past and current research activities on migration by Faculties, Departments, Institutes and Centres; undertake research activities on migration related issues from a multi-disciplinary approach; promote migration studies at the graduate level through a multi-policy on migration through the provision of relevant data on migration and related issues; collaborate with relevant institutions, departments and agencies working on migration and related issues; and build capacity through short-term training programmes in specific areas.

OTHER RESEARCH UNITS AND FACILITIES

LEGON SEISMOLOGICAL OBSERVATORY: The Ghana Geological Survey Department has installed seismological equipment in the University’s Department of Geology as part of a Telemetric Seismograph Network. The main station at Legon is served by a number of smaller stations located in the south-eastern part of Ghana (Tema, Shai Hills, Akosombo, Koforidua, Kukurantumi, Weija and Winneba) which transmit signals by radio waves. The network monitors seismic activities in the country.

LEGON BOTANICAL GARDENS: The Legon Botanical Gardens covering an area of approximately 25 hectares support the scientific research of the Department of Botany. They contain plant species of the tropics and semitropics, including a large collection of palms from various tropical areas. In addition to the sale of plants and wreaths, landscaping and horticultural services, there are facilities in the gardens for picnics by individuals, families and social groups.

LIBRARY FACILITIES: The Balme Library is the main library of the University with a holding of about 300,000 volumes, including a notable section on Africana, and about 5,000 periodicals. Non-members of the University are allowed the use of the Balme Library. They may register as external borrowers. Departmental and Hall libraries supplement facilities available in the Balme Library.

CONSULTANCY AND EXTENSION SERVICES: Members of the University serve on committees and commissions set up by Government, private institutions, district and local bodies through-out the country. Research work and projects of national interest are undertaken by departments, institutes and schools of the University. Through Inter-Faculty, Inaugural and Occasional Lectures as well as seminars, workshops and publications, the University shares the fruits of research and knowledge with the people of Ghana and with cultural institutions both within and outside Ghana. Through its extension services, the University participates in the life of the wider community and the practical affairs of society and keeps its teaching and research close to the real life of the society. In a more formal way, members of the University undertake consultancy for various public and private institutions. The University itself also procures consultancy contracts for its faculties and departments. In order to formalize and enhance these consultancy and extension services, the University established a Consultancy Centre which seeks and executes them using the pool of expertise within the University. The Centre aims at enhancing the University’s technical contribution to national development, increasing its income-earning capacity, providing avenues for professional satisfaction for its staff and improving the practical flavour of teaching and research. The Centre now operates as a wing of the School of Research and Graduate Studies with emphasis on Contract Research.

REMOTE SENSING APPLICATIONS UNIT: The Remote Sensing Applications Unit was established in 1993 as a self-accounting Unit in the Department of Geography and Resource Development with a mandate to provide Remote Sensing and Geographic Information Systems (GIS) services and to assist research in land and water resources appraisal and monitoring, including rural and urban land use patterns and trends. It will also support the teaching programmes of the environmental and resource based departments, namely geography and resource development, geology, botany, agriculture and physics. The establishment of the Unit became necessary because of the establishment of a remote sensing applications laboratory and an ecological laboratory in the Department of Geography and Resource Development. The Laboratories were inaugurated on March 22, 1994. The establishment of the laboratories was made possible through the generous assistance of the United Nations Development Programme (UNDP) and the Danish Government through the Institute of Geography under a linkage arrangement between the Universities of Ghana and Copenhagen (Denmark). The Ecological laboratory is equipped with modern facilities to undertake a large range of analysis including plant materials, soil conditions, water and sediments. The combination
of a remote sensing laboratory and an ecological laboratory provides ideal facilities for multi-disciplinary approaches to resource and environmental problems which are bound to have far reaching implications not only for the quality and relevance of teaching and research in the University but also for the quest for the sustainable development of the resources of Ghana.

**ECOLOGY LABORATORY CENTRE:** The Ecology Laboratory at the University of Ghana, Legon was initiated in 1993 through DANIDA financial ENRECA – project. During the first project period, 1993–95, the Ecology boratory was equipped with instruments for conducting chemical and physical analysis on soil, water and plant samples. The second project period, 1997–9 was intended to support teaching and interdisciplinary research programmes on nutrient cycling, ecology and biodiversity. This is reflected in the composition of membership of the Centre’s Advisory Board and Technical Committee, to represent a wide range of Departments. The Centre is aimed, among others, at supporting interdisciplinary research activities, to facilitate necessary field research for researchers and PhD students; to encourage exchange of scientists and technicians between Ghana and Denmark; to conduct training courses on topics of interest to activities of Ecology Laboratory Centre and to organize seminars and workshops. The Ecology Laboratory Centre is located in the building housing the Ecology Laboratory at the Department of Geography and Resource Development.

**CENTRE FOR SOCIAL POLICY STUDIES:** The establishment of the CSPS in December, 1997 has been initiated primarily to develop and improve social welfare services in Ghana. It is intended to fill a need for social welfare policy research in Ghana. The challenge is to provide a forum that can play a co-ordinating role for the establishment of social development network and at the same time to involve the general public in the process of social welfare policy development. The Centre, which is sponsored by UNICEF, aims at creating greater awareness on social welfare policy issues in Ghana and promoting participatory development of policies and social service programmes of action. In this respect, the Centre focuses on interdisciplinary projects that emerge from its own programmes as well as those of cognate departments, agencies, organisations and institutions. Specifically, policy areas to be covered through the Centre’s programmes and activities are: the development of the child; poverty, nutrition and household dynamics; family welfare; health; gender issues; ageing; community participation/community welfare; labour issues; environmental issues; population and development. Because of its coordinating role, the Centre serves as a Documentation and Information centre on social welfare policy for students, researchers, policy makers and professionals in the social service field. The centre has a specialised library of reference materials not available elsewhere on campus and produces a Social Policy handbook which covers a wide range of policy issues, carrying both information and programme experiences.

**THE AFRICAN VIRTUAL UNIVERSITY:** A World Bank sponsored Distance Education Project which has been in existence for more than two decades in the USA and some parts of Europe, involving the use of satellite communication and other communication technologies such as Video, Internet, Email protocols to beam lectures either in real time or in recorded form from universities in the USA and Europe to sub-Saharan Africa. The advantages derived from the AVU project is the provision of more cost-effective mass education through the sharing of the highest quality academic faculty, library resources and laboratory experience. In this way the project has the potential to overcome lack of facilities that prevent increased access to higher education for a significant number of students in the sub-region. The University of Ghana is among the eleven countries in sub-Saharan Africa, made of six Anglophone and five Francophone universities, that have been selected to take part in AVU starting from December 11, 1997 when the protocol establishment the linkage arrangement was given the nod by the Academic Board.
COLLEGE OF AGRICULTURE AND CONSUMER SCIENCES

OVERVIEW
The College of Agriculture and Consumer Sciences is one of two Colleges of the University of Ghana. It was transformed from the then Faculty of Agriculture to become a fully-fledged College in 2004. It has a Central Administration, which comprises the offices of the Provost, the College Registrar and the College Finance Officer. The Central administration serves as the umbrella body that coordinates the administrative affairs of the various constituent units of the College.

It is currently made up of following schools and institute:
- School of Agriculture,
- School of Veterinary Medicine; and
- Institute of Agriculture Research.

There are also two centres which offer academic programmes. These are the West Africa Centre for Crop Improvement, which offer PhD Programmes in Plant Breeding and Biotechnology Research Centre.

The Central Administration had the following staff at post during the year under review:

MANAGEMENT

College Central Administration
Prof. B. K. Ahunu – Provost
Prof. D. Obeng-Ofori – Deputy Provost
Mr. P.B. Yarquah – Ag. College Registrar
Mrs. Norah A. Sowa – Ag. College Finance Officer
Mrs. Patricia A. Tsikata – Assistant Registrar
Mr. Benedict F. Adjei – Assistant Registrar
Mr. Kofi Obeng Yeboah – Junior Assistant Registrar
Mrs. Eunice Mensshan – Assistant Accountant
Mr. Ben Onomah – Systems Analyst

School of Agriculture
Prof. S.K. Offei – Dean
Prof. J. Ofosu-Anim – Vice Dean

School of Veterinary Medicine
Prof. K.G.Aning – Ag. Dean

Institute of Agricultural Research
Prof. K. Afreh-Nuamah – Director
Prof. M. Yangyouru – Deputy Director

COURSES
BSc. Agriculture courses MPhil and PhD

STUDENT NUMBERS

SUMMARY STATISTICS BY STATUS

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**STAFFING**

- Academic Staff: 93
- Administrative Staff: 7
- Senior Staff: 144
- Junior Staff: 396

**VISITORS TO THE COLLEGE**

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation/Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. C.N.B. Tagoe</td>
<td>Former Vice-Chancellor, Univ. of Ghana</td>
</tr>
<tr>
<td>Andy Lumor</td>
<td>Universities of Ghana Overseas Office, London</td>
</tr>
<tr>
<td>Dr. Elsie Colecraft</td>
<td>NFS Department</td>
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<tr>
<td>Dr. Gloria Otoo</td>
<td>NFS Department</td>
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<tr>
<td>R.O. Boapea</td>
<td>Deputy Finance Officer, Univ. of Ghana</td>
</tr>
<tr>
<td>Qu Zhenyuan</td>
<td>China Agricultural University</td>
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<tr>
<td>Dong Renjie</td>
<td>China Agricultural University</td>
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<tr>
<td>Wang Decheng</td>
<td>China Agricultural University</td>
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<td>Zuo Ting</td>
<td>China Agricultural University</td>
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<tr>
<td>Huang Guauhua</td>
<td>China Agricultural University</td>
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<tr>
<td>Eric Kwaku Acheampong</td>
<td>African Centre for Economic Transformation</td>
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<tr>
<td>Hajime Nabeto</td>
<td>JICA Tokyo</td>
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<tr>
<td>Koichi Kito</td>
<td>JICA Ghana</td>
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<td>Fayuki Sagara</td>
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<tr>
<td>Paul C. Struik</td>
<td>Wageningen University</td>
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<td>Dominique Hounkonnnou</td>
<td>Cos-Sis Regional Coordinator</td>
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<td>Shaun Wellbourne-Wood</td>
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<td>Prof. Basil Ikede</td>
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<td>Rev. Prof. Omenyo</td>
<td>Vice-Dean, Faculty of Arts, University of Ghana</td>
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<tr>
<td>Prof. John Micah</td>
<td>University of Cape Coast</td>
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SCHOOL OF AGRICULTURE

OVERVIEW
The School during the year under review focused on its core mandate of teaching, research and extension and continued to play a significant role in nurturing human capital required for growth of the University in particular and agricultural development in general.

The School continues to offer programs leading to the award of Diploma, MSc/Mphil/M.Agric, and PhD in all disciplines.

The School reviewed the course outlines of CROP 101 and ANIM 101 to take account of gaps identified in them with the introduction of the 4-year programme. It has also begun discussions on the proposal to introduce BSc. Degree by distance education.

The School, within the domain of the new four-year programme, now awards BSc. degree in the following areas:
- Agricultural Economics;
- Agribusiness;
- Animal Science;
- Aquaculture;
- Crop Science;
- Horticulture;
- Postharvest Technology;
- Soil Science in the final year of their programme;
- Foods & Clothing;
- Family and Child Studies.

In line with the VC’s call to expand postgraduate programmes, the School has initiated discussions to increase intake of students by introducing one-year MA/MSc programmes. Current enrolment attest to the special attention that has been given to postgraduate admission. During the period under review, eighty-one (87) students were admitted to read various postgraduate programmes which is an appreciable increase over previous years enrollment. This is expected to increase even more in the coming years.
DEPARTMENT OF AGRICULTURAL ECONOMICS & AGRIBUSINESS

OVERVIEW
The Department teaches courses in Agricultural Economics, Agribusiness, and Agricultural Administration. Some programmes are offered jointly with other departments, particularly the Department of Economics. The programmes offered by the Department include the following:

- M.Phil and Ph.D in Agricultural Economics
- Masters and M.Phil in Agricultural Administration
- M. Phil in Agribusiness
- Four-Year B.Sc. (Hon) degree in Agriculture with specializations in Agricultural Economics and Agribusiness

The Department also teaches courses for the Sandwich Diploma programmes and Level 100, 200 and 300 of the degree programme.

STUDENTS NUMBERS

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STAFF STRENGTH

Senior Members
1. Associate Professor (Head of Department)
2. Snr. Lecturer
7. Lecturer
1. Snr. Lecturer (Part-Time)
1. Associate Professor (Post-retirement Contract)
5. Senior and Junior staff

RESEARCH

Amegashie, D.P.K.
- Farmers’ Perception on Land Contamination with Petroleum (Diesel Oil) Under Different Agricultural Management Systems

Asuming-Brempong, S.
- Parboiled Rice Marketing in Ghana and Nigeria. Research conducted under the Enhanced Trade and Agribusiness Promotion (ETAP), a USAID funded project.
- Commercialization of Smallholder Agriculture in Ghana – Selected Districts (2010-2013). As part of the Future Agricultures Consortium (FAC) research activities in Ghana.

Egyir, I. S.
- Electronic Africa Research Network (eARN) Study on the role of ICT in linking Small-Holder farmers to markets. March 2009-September 2011 Funding by IDRC. Canada. Research Partner
- WRI/IWMI Study on Design for re-use- Harvesting the value of effluent and nutrients for sustaining the operations of sanitation facilities: Economic analysis August 2011-August 2012

Jatoe, J.B.D.
Kwadzo G.T-M.
- Potential and challenges of FBO participation in agricultural development in Ghana
- Urban Agriculture: A sustainable solution to alleviating urban poverty, addressing the food crisis and adaptation to climate change.
- Understanding institutional arrangement in the maize value chain in Ghana

Mensah-Bonsu, A.

Osei-Asare, Y. B.
- Productivity of NERICA in the Rain-fed Upland Ecology, using Cowpea as Green Manure. Research Project sponsored through FARA Research Grant (Team member, on-going).

Sarpong, D. B.
- Peanuts Collaborative Research Support Program (Market and Preference)
- The successes of CAADP. Study commissioned by GTZ and NEPAD. ODI-UK.
- Assessment of Organizations Involved in Climate Change, Carbon Trading and Market Access for High Value Agricultural Commodities in Ghana an IFAD-IFPRI Partnership on Agriculture and Climate Change Mitigation Activities

Kuwornu, J.K.M.
Econometric Analysis of Cocoa Production and Deforestation in Ghana: The Role of Technological Innovations
- Farmers’ Willingness to Adopt Genetically Modified Maize Seeds
- Efficiency of the Plantain Marketing System
- Adoption of Mobile Money Transfer Technology
- Supply response of rice
- Design of Solar Drying Technology Equipment for Drying Food
- Effect of Macroeconomic Variables on Stock Market Returns
- Analysis of Foodstuff Price Volatility: Implications for Food Security
- Welfare-enhancing Role of Irrigation in Farm Households

Onumah, E. E.
- Productivity, efficiency and production risk analysis
- Perception and Adaptation to Climate Change
- Rural development
- Paths to Attaining Food Security
- Price transmission transmission analysis in the Ghanaian maize market

Ramatu M. Alhassan

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

Asuming- Brempong, S.
- Workshop in Ottawa, Canada, for UPCD Project Directors, under NADEP (in collaboration with the University of Ghana), 1st to 6th February, 2011.
- Project Meetings/Workshop with NEPAD/CAADP Officials under the Futures Agricultures Consortium (FAC) – 17 to 25th October, 2011. Johannesburg and Cape Town, South Africa
Amegashie, D.P.K.

Egyir, I.S.
- RUAF FSF Regional Systematization workshop for the West Africa Anglophone region, to be held in Freetown – Sierra Leone on 10-15 April 2011.
- Tropentag 2011 Development on the Margin, Bonn, Germany 5-7 October 2011
- Water Resources Commission Inception workshop on Design for re-use- Harvesting the value of effluent and nutrients for sustaining the operations of sanitation facilities January 31, 2012. Coconut Groove Regent Hotel, Accra

Jatoe, J.B.D.

Kwadzo G. T-M.
- The land question and development. IDEG Ghana Speaks Lecture/Seminar Series. IDEG House July 06, 2011
- FAO Poultry stakeholders’ workshop, FAO Accra office. October 11, 2011
- Gender mainstreaming strategy for the implementation of AGRA policy program at the AGRA Accra offices, Friday, March 18, 2011.

Mensah-Bonsu, A.
- UniBRAIN Inaugural Workshop, April 19 – 20, 2011, FARA Secretariat, Ghana

Osei-Asare Y. B.
Sarpong, D. B.
- Workshop on Research Proposal, IDRC, Dakar-Senegal. August 16-20, 2010
- AFRINT. Workshop on Poverty Impacts of Straddling, Ole-Sereni Hotel, Nairobi, Kenya. March 10-12, 2011
- AAAE Meeting, Pittsburg, PA. USA. July 24-26, 2011
- The CIDA funded University of Ghana – University of Guelph Agribusiness Project (NADEP) came to an end in April 2011.

Kuwornu, J.K.M.

Raamatu M. Alhassan
- Project End Term Workshop. Role of ICT in Linking Smallholders to Markets. Held at Miklin Hotel, Accra 21 -26 February 2011

WORKSHOP/CONFERENCE PAPERS

Egyir, I. S.

Jatoe, J.B.D.

Onumah, E.E.
PUBLICATIONS

Amegashie, D.P.K.

Asuming –Brempong, S.

Egyir, I. S.

Jatoe, J.B.D.

Kwadzo G.T-M.
- Ivy Drafor and George T-M. Kwadzo (2011) Small-scale Farmers’ Challenge of Integration into the World Market. The International Journal of Environment, Culture, Economic & Social Sustainability Vol 7. (pages to be provided later)
Mensah-Bonsu A.


Osei-Asare Y.B.


Sarpong D.B.


Kuwornu, J.K.M.


Onumah, E. E.


**Ramatu M. Alhassan**


**EXTENSION WORK**

Amegashie, D. P. K.
- Chairman, College Time Table Committee (CACS)
- College Examination Officer (CACS)
- Board Member, School of Agriculture
- Tutorial Board Member, Mensah Sarbah Hall
Asuming-Brempong, S.
- Board Member, Cadbury Cocoa Partnership Ghana Board, Accra, Ghana.
- External Examiner, College of Agriculture and Natural Resources, Kwame Nkrumah University of Science and Technology, Kumasi.
- External Examiner, Faculty of Agriculture, University of Development Studies, Tamale.
- External Examiner, University of Education, Winneba, Ghana (Mampong Campus).
- External Examiner, School of Business Management Administration, Central University College (CUC), Accra, Ghana.
- Member of Technical Working Group (TWG) for Child Labour in Cocoa in Ghana. Ministry of Employment and Social Welfare (MESW), Accra.

Egyir I.S.
- Member of Team, Millenium Development Authority (MiDA) Evaluation Team to select Consultants for implementation of Ghana’s Millenium Challenge Accounts (MCA) Projects and Programmes, November 2011
- CACS representative, Accra Working Group on Urban and Peri-urban Agriculture (AWGUPA), Metro Agricultural Development Unit, Accra.
- Organising for promotion of agribusiness and microfinance a development NGO registered as the Multi-Features and Capacity-enhancing Services (MFCS), Madina, Accra.
- Adjunct Lecturer in Rural Economy, Economic Policy Management, Department of economics, University of Ghana, Legon Administration, March–June 2011.
- Member of Standing Loans Committee 2008 - 2012
- Member of GUSSS Board, University of Ghana: December 2011.
- Treasurer - University Teachers Association of Ghana, Legon Branch, 2011 - 2012
- Tutor, Volta Hall, University of Ghana: 2002-2011
- Member Finance and Asset Committee, Department of Agricultural Economics and Agribusiness 2005-2012
- Coordinator of Graduate and Undergraduate seminars, Department of Agricultural Economics and Agribusiness 2005-2012
- Resource person for the following programmes on Radio Univers, University of Ghana, Legon
  1. Development Dialogue Series
  2. AGROSCOPE
  3. Morning show

Kwadzo G. T-M.
- Hall tutor, Legon Hall. University of Ghana
- External examiner, Department of Agricultural Economics, Agribusiness and Extension. Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana
- External Examiner, School of Agriculture, Department of Agricultural Economics and Extension, University of Cape Coast, Cape Coast, Ghana.
- Member of Biosafety Committee, School of Agriculture, University of Ghana, Legon.
- Undergraduate academic adviser, Department of Agricultural Economics and Agribusiness, University of Ghana.
- Member, Investment and Income Generation Committee of the College of Agriculture and Consumer Sciences
- Resource Person: 2010 FARA Secretariat programs Planning Retreat of the 7th FARA Board Meeting
- Agricultural Policy Consultant to Green Revolution in Africa (AGRA)
- Agricultural Policy consultant to International Fund for Agricultural Development (IFAD)

Osei-Asare Y. B.
- Institute for Democratic Governance (IDEG)/UNDP Human Development Report for 201 on the impact of democratic political transitions on business flows and practices in public and private corporate sector (2010)
- A USAID/Africa Lead/FTF Leadership Training Programme. Facilitated the training of Researchers, Private Sector, and Local Development Partners from Liberia, Nigeria, and Ghana on the “Scaling up for Food Security: Champions for Change” Module 1 Training Programme. Programme held at MIKLIN Hotel, East Legon, Accra, Ghana (April, 2011).
Sarpong D.B.
• Tutor—Akufo Hall, University of Ghana
• Institute for Democratic Governance (IDEG)/UNDP Human Development Report for 201 on the impact of
democratic political transitions on business flows and practices in public and private corporate sector (2010)

Kuwornu, J.K.M.
• Facilitator: Sub-Regional Training Workshop for Farmer Organizations in Anglophone West Africa, 09 – 13 May,
2011, Accra, Ghana.
• Coordinator: Post-Level 200 vacation practical for students of the College of Agriculture and Consumer Sciences,
• Facilitator: Training of Staff of the Research Department of Parliament of Ghana, on Research Tools and
• Tutor and Sports Tutor of Alex Kwapong Hall

Onumah E.E.
• Board Chairman, Living Word Assemblies International Primary and Junior High School (2011 to present)

Ramatu M. Alhassan
• Member, Advisory Council of Hunger Project, Ghana
• Member, Board of Tamale Teaching Hospital
• Member, External Advisory Panel of Independent Evaluation Group of the World Bank for the evaluation of the
World Bank Group support to Agriculture and Agribusiness 2010

DEPARTMENT OF AGRICULTURAL EXTENSION

OVERVIEW
The Agricultural Extension Department continues to emphasize Agricultural Extension, Rural Development and
Poverty Alleviation, as the focus of its teaching, research and extension activities. The guiding perspective in all
these has been an emphasis on bottom-up approaches to technology development and dissemination. In line with the
above perspective a focus on appropriate mechanisms and organizational forms for enhancing equity in access to
extension, appropriate technology, adaptive financial services, enhanced access to input and output markets, improved
management of social amenities, increased critical awareness for human development have constituted aspects of the
work in the department.

Our vision for the year under consideration, and the years ahead, is to evolve into a National Centre for Agricultural
Extension, Livelihoods and Innovation Studies and Documentation. To this end, efforts have been made to intensify the
post-graduate programme and faculty research. Post-graduate students admission has increased from three students in
1993/94 academic year, to between 8-15 from 1995 till now. Our greatest challenge with regards to our post-graduate
work has been the absence of substantive lecture/seminar room for the post-graduate work. At the under-graduate
level, the department still does not have an audio-visual laboratory for training students. There is an urgent need for
provision of post-graduate lecture/seminar room, audio-visual laboratory for training students. There is an urgent need
for the provision of post-graduate lecture/seminar room, audio-visual laboratory and vehicles for field extension work.

The department has initiated a process to introduce BSc. Agricultural Extension programme and an MSc. Non-
dissertation programme to meet the current needs of Ministry of Food and Agriculture and Cocoa Research Institute.

There were 6 full-time permanent lecturers instead of the required 9. Positions for 4 Research Fellows remains unfilled.

COURSES
The courses covered three levels – namely National Diploma in Agriculture, B.Sc Agriculture, Post-graduate levels
(M.Phil, and Ph.D in Agricultural Extension). At the B.Sc. and National Diploma levels, courses in Agricultural
Extension and Rural Development continued to be core courses for all students of the School of Agriculture.
In addition, our courses continued to be taken by all under-graduate students of Department of Home Science and some students from other departments and or schools in the University.


STAFFING

Senior Members:
Senior Lecturer – 3
Lecturer – 2
Assistant Lecturer – 1
Vacant – 1 (Professor)
Vacant – 4 (Research Fellows)
Senior Staff – 1 at post (Principal Administrative Assistant)
– 1 (Senior Administrative Assistant)
– 1 Vacant (Chief Administrative Assistant)

Junior Staff – 2

COURSES

No changes were made to the department academic programmes during 2011/2012 academic year. However, contemporary issues in extension and rural development were addressed in a course purposely designed for Rural Development and our seminars.

Linkages Formed

The department formed a linked with the District Agricultural Development Unit at Dangme West. The linkage, which is expected to provide mutual benefit to the two units, focuses on needs assessment of Ministry of Agriculture field staff, in-service training, platform for practitioners to share experience with students and access to communities for student’s field work.

The department also had the opportunity to participate in stake holder’s workshop on the formulation of food and Agriculture Sector Development Policy in the Ghana Strategic Analysis and knowledge Support Systems (SAKSS) meeting.

No of Post graduates students

The number of post graduates students admitted for the 2011/2012 was 5.
Research Funds Obtained
Research funds obtained during the 2010/2011 academic year came from ENAM Project and the Convergence of Sciences-Strengthening Innovation Systems Project.

AFUF Income and Expenditure
Total Money Received – GH¢ 5,104.45
Expended – GH¢ 2,237.71
Balance – GH¢ 2,866.74

Items purchased with AFUF include UPS, Printer, Stationery, Cartridges, Servicing of equipment etc.

PUBLICATIONS/PAPER PRESENTED

Sakyi-Dawson O.
• Mike Abu Sakara Foster, O. Sakyi-Dawson, Moses Zinnah et al (2011) Engaging with countries in the CAADP Pillar IV processes to integrate agricultural advisory services (Sierra Leone, Uganda), Forum for Agricultural Research for Africa (FARA), Accra.

Dr. Paschal B. Atengdem
• Training Manual: Guidelines for Training Field staff in PRA/PLA, Training Manual: Guidelines for Training Field staff in “Mainstream Gender in Programme Activities”

Dr. Seth Dankyi Boateng

Dr. Comfort K. Freeman

RESEARCH PROJECTS/ACTIVITIES

Dr. Owuraku Sakyi-Dawson
• Convergence of Sciences: Inclusive Technology Innovation Processes for Better Integrated Crop and Soil Management (ongoing)
• Enhancing Child Nutrition through Animal Source Food Management: An Iowa State University/University of Ghana Collaboration

EXTENSION ACTIVITIES

Dr. P.B. Atengdem
• Ghana Agricultural Development and Value chain Enhancement Project (ADVANCE). Baseline Qualitative Study (Focus Groups Discussion) 2010.

Dr. S.D. Boateng
• Ghana Agricultural Development and Value chain Enhancement Project (ADVANCE). Baseline Qualitative Study (Focus Groups Discussion) 2010.

Dr. C.K. Freeman
• Ghana Agricultural Development and Value chain Enhancement Project (ADVANCE). Baseline Qualitative Study (Focus Groups Discussion) 2010.
Mr. Jonathan N. Anaglo
- Ghana Agricultural Development and Value chain Enhancement Project (ADVANCE). Baseline Qualitative Study (Focus Groups Discussion) 2010.

CONFERENCE, SEMINAR, WORKSHOPS/SYMPOSIA

Dr. P.B. Atengdem
- Radio Convergence and Development in Africa Kampala Uganda – 8th 10th December 2010

Dr. S.D. Boateng

Dr. Owuraku Sakyi-Dawson
- COS-SIS workshop on “Researching Institutional Innovation in Africa’s Agriculture”, Aburi / Accra Ghana, June, 22-July 1, 2011
- COS-SIS workshop on “Consolidating the COS-SIS Research Agenda”, Cotonou, Benin, October, 26-29 2010.

EXTENSION

Dr. Owuraku Sakyi-Dawson

May – June 2011: Consultant to the Forum for Agricultural Research for Africa (FARA) – Engaging with countries in the CAADP Pillar IV processes to integrate agricultural advisory services (Sierra Leone, Uganda).

December 2010 – March 2011: Consultant to the Forum for Agricultural Research for Africa (FARA) – Tools for Designing Gender Sensitive Policies for Linking Smallholder Agricultural Producers to Regional Markets that serve as a guide for improving responsiveness of agricultural policies and strategies to the special conditions and needs of women involved in agriculture. The assignment involved documentary and literature review on factors that limit women from accessing markets for agricultural commodities, identifying tools that will assist in the design of policies and strategies that take cognisance of the special needs of women, harness their collective efforts, integrates them into the agricultural value chains and empower them to participate effectively in the agricultural value chains. Further, recommendations were made on how the tools can be used in the design of programmes and projects to enhance linking women involved in agriculture to higher and more remunerative markets.

October 2010 – November 2010: Consultant to the Forum for Agricultural Research for Africa (FARA) - developing a strategy for agricultural and rural finance in Africa (SARFA) that serves as a tool for promoting smallholder access to the investment capital that they require to produce and market agricultural commodities. The assignment involved documentary and literature review of status on smallholders’ access and limitations to financial services, drivers and barriers to access and strategies for enhancing access to financial services. In addition, recommendations were made on roles for governments, donors, financial services providers, private sector input and output buyers.

DEPARTMENT OF ANIMAL SCIENCE

OVERVIEW
During the year under review, the Department accomplished its core functions of teaching, research and extension in line with its objective to produce high calibre of Animal Scientists, execute mission-oriented and demand-driven research as well as transfer technology to farmer. It further strengthened collaborative ties with local and foreign partners through joint research and extension activities aimed at promoting the production and productivity of poultry and livestock and enhancing the capacities of Animal Scientists and Extensionists. Seminars, tutorials, field and
laboratory practical training formed important components of the teaching programme while research findings were presented at local and international conferences or seminars.

The Department is temporarily housing the newly established School of Veterinary Medicine (SVM) until it is able to have a building of its own. In addition, the A.G. Leventis Computer Laboratory, which serves the entire College of Agriculture & Consumer Sciences, is accommodated in the Department. This has led to serious constraints with regard to laboratory and office space in the Department and poses a challenge in our effort to provide office space for new staff. Also, at the lower undergraduate levels (Levels 200 and 300) where the class sizes are large, providing adequate space for practicals in the laboratory is quite challenging. The Department’s only vehicle, a Mitsubishi 4x4 pick-up which had served us so well for twenty years, was no longer serviceable and had to be grounded. This further constrained the Department’s transportation needs.

The Meat Science Laboratory, Nutrition Laboratory, and Veterinary Clinic provided services to the University Community as well as the general public and generated income to the Department. They will, however, need re-capitalization to achieve their full potential at income generation.

The major constraints to enhanced performance in the Department could be summarized as:
- Limited resources for laboratory and field practical classes
- Transportation of students for farm visits
- Large class sizes for laboratory practicals, especially at Levels 200 and 300
- Inadequate space for staff

COURSES / SERVICES OFFERED
The Department continued to offer courses at the Diploma, Undergraduate and Graduate levels to fulfill its mission of training livestock scientists and animal agriculturists to enhance animal productivity. Graduate level courses were provided mainly for M.Phil. and Ph.D. degrees in Animal Breeding, Animal Nutrition, Animal Physiology, Pasture and Range Management, Meat Science and Technology, and Microbiology and Immunology.

Two special seminars were organized, one of which was delivered by Dr. F.G. Silversides of Agassiz Research Centre, Agriculture and Agri-Food Canada (August 2010). The other was delivered by Prof. M. Inoue-Murayama, a research collaborator from the Wildlife Research Centre of Kyoto University, Japan (December 2010). In addition, a one-day seminar was successfully organized with our international and local partners under the theme “Conservation and sustainable use of Ghanaian wildlife resources: Veterinary, Genetic & Ethological approach”.

STUDENT NUMBERS

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STAFFING POSITION
Three new full time Faculty members were appointed in the persons of Dr. F.Y. Obese (Senior Lecturer, Animal Physiology), Dr. J.E. Futse (Lecturer, Microbiology and Immunology) and Mr. R.A. Ayizanga (Assistant Lecturer, Animal Breeding). Three Research Officers from the Livestockand Poultry Research Centre, Legon, provided teaching support. Two part-time lecturers were engaged. In all, nine academic staff were at post in the Department.
During the year under review, the only driver of the Department (Mr. J.K. Quarshie) was retired on attainment of statutory age while one Messenger/Cleaner (Mr. G. Afrifah) retired voluntarily. One Administrative Assistant, one Technician, one Messenger/Cleaner and one labourer were appointed.

The breakdown of staff was as follows:

1. Professor
2. Associate Professors (both on post-retirement contract)
3. Senior Lecturers (one on post-retirement contract)
2. Lecturers
1. Assistant Lecturer
7. Senior Staff
5. Junior Staff

VISITORS TO THE DEPARTMENT
- Prof. Miho Inoue-Murayama, Wildlife Research Centre of Kyoto University, Japan, December 2-15, 2010
- Dr. Fred G. Silversides, Agassiz Research Centre, Agriculture and Agri-Food Canada, August 12-20, 2010
- Prof. Hideto Fukushi, Laboratory of Veterinary Microbiology and Infectious Diseases, Department of Veterinary Medicine, Faculty of Applied Biological Sciences, Gifu University, Japan, September 20-23, 2010

PUBLICATIONS / PAPERS PRESENTED

Aboagye, G.S.

Ahunu, B. K.

Amaning-Kwarteng, K.

Ayizanga, R.A.

Barnes, A.R.
Futse, J.E.

Kayang, B.B.

Obese, F.Y.

**RESEARCH PROJECTS/ACTIVITIES**

Aboagye, G.S.
- Phenotypic and genetic characterisation of grasscutter (*Thryonomys swinderianus*) in Ghana.
- A preliminary study of reproductive traits in Friesian/Sanga crossbreds at Amrahia Dairy Farm
- The attitudes of students towards fresh milk and milk products on the University of Ghana campus.

Ahunu, B.K.
- Studies on genetic and morphological traits in the grasscutter

Amaning-Kwarteng, K.
- Ensiled sweet potato vines in the diet of growing pigs: Effect on diet utilization and carcass characteristics.
- Studies on the nutrient composition of water hyacinth (*Eichornia crassipes*): Chemical composition and in vitro digestibility.
- The potential of water hyacinth (*Eichornia crassipes*) as forage in creep feeding diet for pre-weaning lambs.
- Influence of Moringa oleifera leaves on the growth and digestibility estimates of growing grasscutters (*Thryonomys swinderianus*).

Ayizanga, R.A.
- Genetic diversity of the Ashanti Black pig in Ghana
- Estimation of live weight of West African Dwarf sheep using linear body measurements

Barnes, A.R.
- Characterization of ostrich (*Struthio camelus*) raised in Ghana: Haematological and biochemical profiles of ostrich blood and physical characteristics of ostrich carcass.
Futse, J.E.
- Genetic analysis of endemic *Anaplasma marginale* strains in Ghana

Kayang, B.B.
- Development of microsatellite markers for genetic diversity studies in guinea fowl
- Genetic analysis of cane rat (*Thryonomys swinderianus*) in Ghana

Nortey, T.N.N.
- Agricultural potential and utilization of water hyacinth (*Eichhornia crassipes*) as forage for feeding grower pigs in Ghana
- The use of barley-sorghum-distillers spent grain as poultry feed in Ghana and ways of improving its nutritive value

Obese, F.Y.
- Growth and reproductive performance of indigenous beef cattle (West African Shorthorn, Sanga, N’dama) raised on-station and on-farm in the Accra Plains of Ghana.
- Growth, reproductive and lactation traits of Jerseys and Friesian-Sanga crossbred cattle on station and on-farm in the Accra Plains of Ghana.
- Development of cost-effective feed packages for small ruminant production in the coastal savannah zone of Ghana.
- Effect of age and diet on blood haematological and biochemical profiles in the Ostrich.

**CONFERENCES/WORKSHOPS/SEMINARS**

Aboagye, G.S.

Ahunu, B.K.
- CHET African Universities Report Franschoek, Cape Town, South Africa 2010
- RUFORUM Conference on Financing Higher Education in Agriculture, Kampala, Uganda, 15-19 November 2010

Amaning-Kwarteng, K.

Ayizanga, R.A.

Barnes, A.R.
- Facilitator for Capacity Building of Enviromental Movement of Non Govermental Organazation in Ghana. This involved five training workshops which started from March 2010 to November 2010. Training workshops were organized by Pro Natura International, Bellona Foundation of Norway and EMiS NGO of Norway in collaboration with College of Agriculture and Consumer Sciences.

Kayang, B.B.
- Conservation and sustainable use of Ghanaian wildlife: research report and plan for the year, Kyoto University, Kyoto, Japan, June 8, 2011.
Nortey, T.N.N.

Obese, F.Y.
- Visiting Scientist at the School of Animal Biology, Faculty of Natural and Agricultural Sciences, the University of Western Australia, 1st June 2011- 20th July 2011.

DEPARTMENT OF CROP SCIENCE

OVERVIEW
The Department ran programmes at the Diploma, Bachelors, Masters and Doctorate levels. Academic staff in the Department actively conducted research and published in scientific journals of local and international repute. Most senior members were involved in extension work involving individual farmers, Farmers’ Cooperatives, Agrochemical Industries, Agricultural Research Institutes and Ministry of Food and Agriculture.

The Department is collaborating with the college in the development of a model farm at its research project fields (University Farm).

Major constraints were increased student numbers relative to size of teaching laboratory; limited office space; frequent breakdown of departmental vehicles and lack of irrigation facilities for student and staff research.

COURSES
The Department offered courses at the Diploma, Bachelor, Master of Philosophy and Doctor of Philosophy levels. Postgraduate programmes are classified under the following: Crop Entomology, Plant Pathology, Genetics and Plant Breeding, Agronomy, Horticulture, Crop Biotechnology, Crop protection, and Post-harvest Technology.

STUDENT NUMBERS

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<td>Ph.D.</td>
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</table>
STAFFING POSITION
The Department had 14 full-time teaching staff at post and two part-time lecturers. Research Officers from Forest and Horticultural Research Centre, Kade, also provided teaching support to the Department. Lecturers from Department of Agricultural Engineering (2), Department of Nutrition and Food Science (2) and Department of Agricultural Economics and Agribusiness (1) taught in the Postharvest programme. The Department has recruited a plant pathologist who is currently on a post-doctoral programme. Plans are far advanced to have a postharvest technology lecturer full-time. The Department however still has need for lecturers in Agronomy.

The staffing position for the period under review was as follows:

- 4 Professors (one of who is on post-retirement contract)
- 3 Associate Professors (on post-retirement contract)
- 2 Senior Lecturers
- 4 Lecturers*
- 14 Senior Staff (2 Chief Technicians on secondment to Ecological Laboratory and Biotechnology Centre)
- 1 Chief Technician (On Post-Retirement Contract)
- 20 Junior Staff

The Department needs two technicians to assist in laboratory work.

Individual and collaborative research activities of senior members were in the following areas:

PUBLICATIONS
Daniel Obeng-Ofori


John Ofosu-Anim
• P. Adjei-Frimpong, J. Ofo sits-Animand J.C. Norman. 2011. Disbudding effects on growth analysis of Celosia (Celosia cristata)” which has been accepted for publication in Advances in Horticultural Science ( In Press)

Eziah V.Y.

Eric W. Cornelius

Naalamle Amissah
• Academic Prizes/Awards - VolkswagenStiftung Junior Fellowship Grant – “Propagation, cultural practices, genetic and biochemical diversity of two medicinal plant species, Croton membranaceus and Cryptolepis sanguinolenta.” February 2011

Christiana Amoatey

PROJECTS/RESEARCH IN PROGRESS
Obeng –Ofori D.
• Evaluation of biopesticides against field and storage pests
• Cowpea resistance to aphids
• Bioecology and economic importance of pawpaw mealy bugs
• Bioecology and management of pests of field and stored cocoa beans
• Quantitative assessment of food losses
• Insecticide use pattern, residue analysis and pesticide management
• Ecology and management of fruit flies

Ofosu-Anim, J.
• Study into the effect of growth regulators on fruit development,
• Use of mulches in crop production
• Bioefficacy of herbicides in crop production,
• Organic production of crops
• Postharvest handling of fruits.
• Effect of allelochemicals in crop production
• Seed dormancy and germination

Eziah Vincent
• Evaluation of insecticides against major insect pests of vegetables
• Species composition and relative abundance of mealybugs associated mango and their natural enemies
• Evaluation of plant products against important stored product pests
• Effect of salt (Sodium chloride) treatment of fish on infestation and development of Dermestes maculates

Kumaga F.K.
• Continues to work on different substrates and nutrient formulations for soilless production.
• Phosphorus use efficiency in genotypes of Soyabean (Glycine max)

Cornelius E.
• Screening cassava genotypes for effective management of tuber rot (Polyporus sulphureus) attacking cassava in Greater Accra Region. 2010 – 2012 date (CSIR/MoFA/WAAPP Project - Principal Investigator)
• Development of management strategies to control leaf-curl disease of tomato and pepper in the Volta Region, 2010 – 2012 (CSIR/MoFA/FABS Project - Investigator)
• Development of control measures for leaf twisting and bulb rotting of onions in the Eastern Region., 2010 – 2012 (CSIR/MoFA/FABS - Investigator)
• Etiology of a vine browning and die-back disease of water yam (Dioscorea alata L.) in the Volta Region and screening of yam genotypes for resistance to the disease. (CSIR/MoFA/WAAPP Project - Investigator)
• Development of methods for detection and assessment of internal rots in yam tubers (PhD thesis submitted to the University of Ghana, December, 2011).

Amissah J.N.
• Involved in the propagation of difficult-to-propagate plant species and the propagation of medicinal plants on the verge of extincti

Amoatey C.
• Alternatives to sustainable weed management in vegetable crops in the tropics
• Impact of different cropping systems on rice production
• Evaluation of seed quality of legumes and vegetables.

CONFERENCES/WORKSHOPS 2010/11
Obeng-Ofori D.
• Ghanaian-German Alumni Network (GGAN) conference on sustainable agriculture development in Ghana business, KNUST, Kumasi, Ghana, August 2-3, 2010.
• 12th Biennial Workshop of GSA, UDS, Tamale, Ghana, August 4-5, 2010
• International conference on post-harvest loss assessment in Africa, Bonn, Germany, August 6-7, 2010
• 10th International Working Conference on Stored Product Protection, Lisbon, Portugal, June 26-July 3, 2010
• 57th German Plant Protection Conference, Berlin, Germany, September 6-9, 2010
• Workshop on production of non-food, bio-oil supply chains for renewable energy in Ghana: Needs, challenges and opportunities, Erata Hotel, Accra, Ghana, October 7-8, 2010.
• Inter-Country conference of the COS-SIS, Cotonou, Benin, October 21-25, 2010.
• FAO Training Workshop on improving performance of Farmer Organizations in Anglophone West Africa on value chains, Mensvic Palace hotel, East Legon, Accra, May 09-13, 2011

Ofosu-Anim, J
• The 2nd International Symposium of Education Programme for Field-Oriented Leaders in Environmental Sector in Asia and Africa. Dec 2-7, 2010, Tokyo University of Agriculture and Technology, Fuchu, Tokyo. Japan
**Participant, The 1st International Symposium of Education Programme for Field-Oriented Leaders in Environmental Sector in Asia and Africa. March 5th, 2010, Tokyo University of Agriculture and Technology, Fuchu, Tokyo, Japan**

**Participant, Regional Workshop of Vice-Chancellors, Principal and Deans on “Rewarding and Retaining Lecturers: Is career Progression based on Teaching and Research for Development Impact” Dare s Salaam Tanzania, 24th and 25th May, 2010.**


**Cornelius E.**

- Sanitary/Phytosanitary (SPS) Risk analysis capacity building workshop for universities in Africa, CVMNA, Tuskegee University, USDA/APHIS, Erata Hotel, Accra, Ghana, August 9-20, 2010.
- Research stakeholder meeting on the community development programme (CDP) and the ECOWAS regional research policy, Hotel Ngor, Dakar, Senegal, 31 August - 2 September 2010
- Radiation services for improved quality and safety of food and medical products. University of Ghana School of Nuclear and Allied sciences Conference Room, 24 November 2010.
- Workshop on Convergence of Sciences-strengthening Innovation Systems (COS-SIS) research programme in Ghana, Benin and Mali. 3rd February 2011, Conference Room, Noguch Memorial Institute for Medical Research, Univ. of Ghana, Legon.
- Involving research in the integration process (ECOWAS). Hotel Amaryllis, Saly Portudal, Senegal, 14-16 June 2011.
- IPM CRSP Tomato Disease and Insect Pest Diagnostics Workshop, Biotechnology centre, University of Ghana, June 20-24, 2011.

**Amissah J. N.**

- August 09-20, 2010. Sanitary and Phytosanitary Risk Assessment; USDA & Tuskegee University.; Accra-Ghana

**Amoatey C.**

- SPS and Risk Analysis Capacity Building Workshop for Universities in Africa. CCEBRA/Tuskegee University, USDA/APHIS, USA. Accra, Ghana. 9th - 20th August 2010.
- Good practices and lessons learnt in Management and Strategic Planning in Agriculture and 3. 3. 3. Forestry Faculties in Africa. AFOLM. University of Ghana. Legon, Ghana. 10th – 11th March 2011.
- Programme for the training of ANAFE RAFT Chairs and SEFs on UNIBRAIN Implementation. ANAFE Secretariat, Kenya. 22nd-23rd July 2011.
DEPARTMENT OF SOIL SCIENCE

OVERVIEW
The Department of Soil Science performed its core functions of teaching of undergraduate and graduate courses, supervision of students’ research, research by faculty in basic and applied aspects of soil and environmental science and extension of information to end users. Research activities focused on problems related to productivity and maintenance of the soil resource base of Ghana and also environmental-related issues such as land degradation and rehabilitation, soil, water and air quality and climate change with the overall objective of ensuring sustainable agricultural production, ecosystem balance and improved human health. The Department renewed its research collaboration with the Soil and Irrigation Research Centre, (SIREC) of the University of Ghana, Kpong. In this cooperation, research is being conducted on crop sensitivity to drought to generate data to support the weather-index based agricultural insurance initiative, which is a joint initiative of the German International Cooperation (GIZ) and the National Insurance Commission (NIC). The GIZ donated a Greenhouse facility to the project. A date will be set soon to mark the official commissioning of the facility.

Members of staff showed great commitment to their respective duties related to teaching, research, supervision of students’ dissertations, and participation in conferences, and workshops. Senior members continued to serve on various Committees and Boards in the University and other National institutions making useful contributions to the work of these bodies.

COURSE/SERVICES OFFERED
The Department offered courses at the Diploma, BSc (Agric.), MPhil. and Ph.D. levels in Soil Microbiology and Biochemistry, Soil Chemistry, Fertility and Plant Nutrition, Pedology and Landscape Processes, Soil Physics and Conservation, and Environmental Soil Science. Review of academic programmes at the graduate level to reflect new developments in the discipline is ongoing. One of the major ongoing activities is to develop a special graduate programme in Agricultural Systems Simulation and Modelling with emphasis on crop modeling and soil-climate interactions. Details of the course contents and research components, when completed, will be tabled at various University Boards for discussion and approval.

The Department offered services to farmers and clients engaged in agribusiness. Services included soil and plant analyses, data interpretation, advice on efficient land use and agronomic practices on soil suitability evaluation for crop production and water use efficiency for crops under irrigation. The Department continued with success to assist Eco Products Ghana Ltd. to monitor agronomic trials by farmers using a locally manufactured organic fertilizer.

STUDENT NUMBERS
Student enrolment at the different levels of courses and research project during the year under review was as follows:

<table>
<thead>
<tr>
<th>Level</th>
<th>Diploma</th>
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</thead>
<tbody>
<tr>
<td>Year I</td>
<td>111</td>
</tr>
<tr>
<td>Year II</td>
<td>128</td>
</tr>
<tr>
<td>Year III</td>
<td>110</td>
</tr>
<tr>
<td>Level 100</td>
<td>185</td>
</tr>
<tr>
<td>Level 200</td>
<td>239</td>
</tr>
<tr>
<td>Level 300</td>
<td>181</td>
</tr>
<tr>
<td>Level 400</td>
<td>10</td>
</tr>
<tr>
<td>M.Phil. I</td>
<td>3</td>
</tr>
<tr>
<td>M. Phil. II</td>
<td>5</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>5</td>
</tr>
</tbody>
</table>

STAFFING POSITION
The staff strength of the Department of Soil Science during the year stood as follows:

Academic:

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>Professors (1 Contract)</td>
</tr>
<tr>
<td>3</td>
<td>Associate Professors (2 Contract)</td>
</tr>
<tr>
<td>4</td>
<td>Senior Lecturers</td>
</tr>
</tbody>
</table>
Administrative and Technical:

Senior Staff

Junior Staff

During the year, three PhD students namely, Edward Yeboah, Wittmann Kudzo Humphrey Dorgbetor and Richard Graham, completed their graduate thesis projects and were awarded with doctorate degrees in Soil Science. Mr. Martin Aggrey, who was granted study leave to pursue the BSc. Degree in Agriculture in the University, is in the final year (Level 400) of the programme.

PUBLICATIONS / PAPERS PRESENTED


RESEARCH PROJECTS

M.K. Abekoe, M.K.
- Phosphorus distribution in soils under heavily manured shallot farms at Anloga in the Volta Region.
- Screening of heat tolerant tomato varieties in a semi-arid region of Ghana.
- Response of okra to micro irrigation in the semi-arid region of Ghana.
- Gold mining and health implications for people in Tarkwa.

Adjadeh, T.A.
- Changing properties of soils under the teak plantation on the shoulder of the Legon Hill.
- Effect of long-term irrigation and other cultural practices on the properties of soil at the Ashaiman irrigation site.
Adiku, S.G.K.
- Crop sensitivity to drought.
- Weather-index based agricultural insurance initiative project - a joint project of the German International Cooperation (GIZ) and the National Insurance Commission (NIC).

Asuming-Brempong, S.
- Biodiversity in the microbial populations of soils with varying carbon stocks and fallow management treatments.
- Sustainable build-up of soil nitrogen and phosphorus in an upland rice-based cropping system using leguminous crop and phosphate solubilizing microorganisms PSMs.

Danso, S.K.A.
- Chemical and biological factors that affect nodulation and nitrogen fixation in legumes, with particular reference to the promiscuous soybean isolines, lima beans and African yam beans.
- Assessment of need for plant nutrient amendments based on knowledge of the fertility status of soil.

Dowuona, G.N.N.
- Ethnopedology, soil carbon dynamics in land use systems and climate change.
- Phosphorus distribution in soils under heavily manured shallot farms at Anloga in the Volta Region.
- Soil quality assessment under different land management systems.

Lawson, I.Y.D.
- Use of legumes in farming systems for enhanced crop production.
- Microbiology and biochemistry of contaminated soils.

Nartey, E.K.
- Construction of biofilter to treat waste water.
- Agronomic evaluation of biochar as soil amendment in vegetable production.
- Physico-chemical characterization of biochar.
- Microbial degradation of soil contaminated with diesel oil.

Owusu-Bennoah, E.
- Nutrient management in different land use systems.
- Phosphorus chemistry and availability in Ghanaian soils.

CONFERENCES/WORKSHOPS/SEMINARS
Abekoe, M.K.

Adiku, S.G.K.
- International Conference on Agricultural Model Inter-comparison Project (AgMIP) Part I: Longbeach California, USA; October 2010; Part II: Campinas, Sao Paulo, Brazil, July 2011.
- International Deans’ Course Part I: Osnabrueck/Berlin, Germany, June 2011; Part II: Abuja, Nigeria, November 2011.

Asuming-Brempong, S.
- Dow Agro Science Meeting, 9330 Zionsville Road, Indianapolis, USA, September 28th, 2011. Paper entitled “Some Agricultural practices in Ghana”.

Danso, S.K.A.
- Scientific Advisory Committee Meeting, Nairobi, Kenya, 23rd to 27th May, 2011.

Dowuona, G.N.N.
- ICID+18 Pre-Conference, DFID, Fortaleza, Brazil, 14th – 22nd August, 2010.
- Meeting, UDS and Cuba Medical Brigade, Havana, 11th – 18th July, 2011.
Lawson, I.Y.D.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

OVERVIEW
During the year under review, 2010/2011 academic year, the department successfully carried out its basic functions of teaching, research as well as extension activities to enhance the quality of life of the family – the focus of the department. Teaching programmes were run for Doctorate, M.Phil and Undergraduate students. Four senior members are currently enrolled in the PhD programme. Senior members participated in several conferences and workshops.

In spite of the many efforts made, the problems of the Department continued and still continue to be:

a) Lack of a departmental vehicle making fieldwork and outreach programmes very difficult.
b) Inadequate laboratory space for Foods and Nutrition practical sessions, and
c) Unavailability of a laboratory for Textiles and Clothing practical sessions making these sessions ineffective and uncomfortable for the students.

COURSES
Courses were offered at the undergraduate (B.Sc and BA) and graduate levels. These covered the areas of Foods and Nutrition, Textiles and Clothing, Family Resource Management, Family Housing, Human Development and Child Studies, Consumer Studies and Home Science Extension.

STUDENT NUMBERS
Student enrolment in the various levels was as follows:

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diploma</td>
<td></td>
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<tr>
<td>Year I</td>
<td></td>
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<tr>
<td>Year II</td>
<td></td>
</tr>
<tr>
<td>Year III</td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>Level 100</td>
<td>59</td>
</tr>
<tr>
<td>Level 200</td>
<td>72</td>
</tr>
<tr>
<td>Level 300</td>
<td>70</td>
</tr>
<tr>
<td>Level 400</td>
<td>67</td>
</tr>
<tr>
<td>Postgraduate</td>
<td></td>
</tr>
<tr>
<td>M.Phil. I</td>
<td>6</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>4</td>
</tr>
</tbody>
</table>

STAFFING POSITION
The staffing position was as follows:
1  Associate Professor (Head of Department)
3  Associate Professor (On Contract)
1  Senior Lecturer
1  Lecturer
3  Lecturer (Study Leave)
1  Lecturer (Leave of Absence)
1  Assistant Lecturer
1  Assistant Lecturer (Study Leave)
4  Part-Time Lecturer
16 Senior and Junior Staff
RESEARCH ACTIVITIES
Nti Christina A.

- Knowledge, Attitudes and Practices of Birth Spacing among Ghanaian Mothers.
- Care Practices and Child Nutrition

Fianu, D.A.G.

- Knowledge of Influenza A (HINI) among Junior High Students at the University of Ghana Basic School.
- Hair care practices of Female Tertiary Students in and around Legon, Accra.
- Recycling of Clothing items by Accra Polytechnic Resident students.

Opare-Obisaw, Clara

- Egg Consumption among Senior High School Students in Accra.
- Eating Habits of Bachelors who make their own Food Choices.

Hevi-Yiboe, Laetitia

- Family-to-work spillover and coping strategies of dual earner couples at Adenta Municipality, Accra.
- Family Environment and Livelihoods of Families in Nima, Accra.
- Recipe Development Activities using African Yam Bean.

Tackie-Ofosu Vivian

- Caring for People Living with HIV AND AIDS: The Use of Household Resources in Accra, Ghana.
- Researching Children at Risk in Ghana.
- Early Childhood Development and Family Relationships.
- Feeding Young Children in Early Childhood Programs.

CONFERENCES /WORKSHOPS/SEMINARS
Nti. C.A.

- College of Agriculture and Consumer Sciences Strategic Planning Workshop held at Mac Dic Hotel, Koforidua on 28th to 30th April, 2011. Presented a paper on the Strategic Plan of the Department of Family and Consumer Sciences for 2010-2016.

Fianu, D.A.G.


Opare-Obisaw, Clara

- Workshop on Final Evaluation of College of Agriculture and Consumer Sciences Strategic Plan, 28th – 30th April 2011 at Koforidua.

Tackie-Ofosu Vivian

- Global Health and Innovation Summit. Organized by United for Sight. At Yale University, New Haven, Connecticut, USA.
PUBLICATIONS
Nti, C.A.

Fianu, D.A.G.
• Risk Perceptions Associated with Global Sourcing of Textiles and Apparel: Implications for Sub-Saharan Africa (Special Publication for Africa in the Journal of Family and Consumer Sciences).
• Bringing Economics to Dressmakers on the street of Ghana. (Special Publication for Africa in the Journal of Family and Consumer Science, USA).

Tackie-Ofosu Vivian

BIOTECHNOLOGY CENTRE

OVERVIEW
The Biotechnology Centre, has since its inception in 2007 sought to enhance training and research in biotechnology and biosafety and to pursue activities which will successfully address the important scientific issues within Ghana and the West African sub-region. The Centre aims to be an internationally acclaimed Centre of excellence for biotechnology and related research to meet national, regional and global challenges in food security.

The Biotechnology Centre is committed to providing a world class teaching and research environment by keeping abreast with new developments and adopting a multidisciplinary approach.

COURSES AND SERVICES OFFERED
Plans are far advanced for the commencement of Masters and Doctor of Philosophy degrees in Biotechnology. Courses have been developed and processed for accreditation. Academic staff in the Centre offer undergraduate and postgraduate biotechnology related courses in the School of Agriculture.

Graduate and undergraduate students in the School of Agriculture conduct their research projects in the Centre. Other students and faculty members from the College of Agriculture as well as from the Faculty of Science rely on the Centre’s laboratories to conduct various research.
The Centre provides consultancy services in areas of plant molecular biotechnology. Other services include plant disease diagnostics, molecular characterization of genotypes, development of improved crop varieties and food and microbiological analysis.

**STUDENT NUMBERS**

Students from the School of Agriculture taking courses and/or undertaking their project work at the centre are as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD</td>
<td>3</td>
</tr>
<tr>
<td>MPhil Part II</td>
<td>3</td>
</tr>
<tr>
<td>MPhil Part I</td>
<td>3</td>
</tr>
<tr>
<td>Level 400</td>
<td>12</td>
</tr>
</tbody>
</table>

**STAFFING**

- 2 Professor
- 1 Visiting Scientist
- 1 Principal Research Assistant
- 1 Chief Technician
- 1 Administrator
- 1 Teaching Assistant
- 2 Technician
- 1 Messenger/Cleaner

**RESEARCH ACTIVITIES**

The Biotechnology Centre has a number of on-going research projects funded by both local and foreign organisations including the International Atomic Energy Agency (IAEA), New Partnership for Africa’s Development (NEPAD) and the Centre for Scientific and Industrial Research (CSIR), Ghana. On-going projects include:

- Mutation breeding of sorghum (IAEA)
- Management strategies for yellow leaf curl disease in tomato and pepper (CSIR)
- Leaf twisiting and bulb rotting in onions (CSIR)
- Genetic characterization of sorghum accessions in Ghana (NEPAD)
- Genetic screening for drought tolerant rice (JICA)
- Characterization of maize hybrids
- Molecular analysis of genomic organisations of viruses infesting cassava in Ghana

The Centre also partners with local and foreign institutions including Tuskegee University, Cornell University, Wageningin University to conduct research in plant molecular biology.

**WORKSHOPS**

The Centre organized a number of workshops with its local and foreign partners. These workshops were to increase the understanding and use of biotechnology in agriculture and to train research scientists in modern molecular biology techniques. Some workshops in the past year include:

- SPS Risk Assessment Workshop
- IPM CRSP Tomato and Disease and Insect Pest Diagnostic Workshop
- Biotechnology Awareness for second cycle teachers and agricultural extension officers
- Biotechnology Stewardship Training Workshop
SCHOOL OF VETERINARY MEDICINE

OVERVIEW
The School of Veterinary Medicine has a proposal to institute three academic departments:

Department of Veterinary Basic Sciences (with responsibilities for teaching Veterinary Anatomy, Physiology and Biochemistry).

Department of Veterinary Para-clinical Sciences (Microbiology, Parasitology, Pathology, Pharmacology and Toxicology).

Department of Veterinary Clinical Sciences (Medicine, Surgery, Theriogenology, Anaesthesiology, Radiology, Public Health, Epidemiology).

However, on account of inadequate members of full-time faculty members, these departments have not come into operation. The Dean’s Office has taken on the roles of the departments meanwhile.

The School admitted the third batch of veterinary medical students in August 2011.

The teaching staff of the School, with part-time lecturers were actively involved in teaching the courses of the veterinary curriculum.

The lecturers were also either involved in collaborative research with national and international institutions such as the International Atomic Energy Agency, Vienna, or developing research proposals for finding.

With University funding another laboratory of the Department of Animal Sciences was refurbished into a Veterinary Biomedical Teaching Laboratory. It is yet to be adequately equipped. The first one was refurbished for the Veterinary Basic Sciences in 2010.

Architectural drawings for a Small Animal Veterinary Teaching Hospital has been completed, and will soon be put on tender for construction to be completed before August 2013. Work on a similar facility for Large Animals to be constructed at the Livestock and Poultry Research Centre, Legon has begun.

The School is actively pursuing a programme of recruitment and development of faculty members and technical staff to meet its needs. Memoranda of Understanding have been developed with University Faculties of Veterinary Medicine in and outside Africa for collaboration in faculty development, research and staff and student exchanges.

In this connection the United States Department of Agriculture sponsored an educational visit of Prof George Aning and Dr Hope Otsyina of the School to the Tuskegee University and Purdue University Schools of Veterinary Medicine in August 2011. Earlier Prof Aning and Arch. Philip Azundow had been supported by the university to visit Veterinary Faculties in the University of Ibadan, Nigeria, University of Nairobi, Kenya, and Sokoine University of Agriculture, Tanzania to obtain first-hand information for the planning and construction of facilities for the school.

The major constraints confronting the school are low numbers of qualified full-time lecturers, inadequate well-equipped teaching laboratories and lecture rooms, lack of a library and inadequate staff offices.

COURSES
The School has mounted courses in the following areas: Introductory Veterinary Medicine, Vet. Anatomy (including Gross, Histology and Cellular Biology), Physiology, Biochemistry, Microbiology, Parasitology, Pathology and Pharmacology.

STUDENT NUMBERS
The Doctor of Veterinary Medicine (DVM) programme is spread over 6 years. The current student numbers are:

<table>
<thead>
<tr>
<th>Level</th>
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<tbody>
<tr>
<td>Level 100</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>Level 200</td>
<td>-</td>
<td>9</td>
</tr>
<tr>
<td>Level 300</td>
<td>-</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>-</td>
<td>31</td>
</tr>
</tbody>
</table>
As the School increases in infrastructural and other capacities enrolment will be increased.

**STAFFING POSITION**

There are currently only four full-time teaching staff at post. Research Fellows from the Noguchi Memorial Institute of Medical Research (3), and lecturers from the University of Ghana Medical School (3), Department of Biochemistry and Cellular and Molecular Biology (3), Department of Animal Science (2) and a part-time Lecturer have provided much-needed teaching support. There is an urgent need to appoint full-time lecturers in many areas of specialization.

The staffing position currently is:
1 Professor (on Sabbatical leave from Wisconsin School of Vet. Medicine)
1 Associate Professor (on post-retirement contract)
1 Lecturer
1 Assistant Lecturer
4 Senior Staff (2 Lab. Technologist, 1 Srn. Technician, 1 Administrative Assistant)
2 Junior Staff (1 Driver Gd II, 1 Messenger/Cleaner)

**RESEARCH, PUBLICATIONS AND CONFERENCES ATTENDED**

**K. G. Aning**

**Projects:**
- Improving the control of Gumboro disease in Ghana.
- Controlling Newcastle Disease in village Chickens.

**PUBLICATION**

**B. Awumbila**

**Project:**
- Incidence of anthrax in livestock in Ghana
- Ectoparasites of the grasscutter.

**Publication:**

**H. R. Otsyina**

**Project:**
- Improving the control of Gumboro Disease in Ghana.

**Publication:**
INSTITUTE OF AGRICULTURAL RESEARCH

OVERVIEW
During the period under review, the Institute of Agricultural Research (IAR) coordinated and supervised the activities of the three Agricultural Research Centres. The University Council approved new names for the Research Centres of the Institute on 12th May, 2011 as follows;

Old Name
Agricultural Research Centre, Legon (ARC, Legon)

New Name
Livestock and Poultry Research Centre, Legon (LIPREC, Legon)

Old Name
Agricultural Research Centre, Kpong (ARC, Kpong)

New Name
Soil and Irrigation Research Centre, Kpong (SIREC, Kpong).

Old Name
Agricultural Research Centre, Kade (ARC, Kade)

New Name
Forest and Horticultural Crops Research Centre, Kade (FOHCREC, Kade).

The renaming was done to properly align the activities of the Centres to their vision, mission and objectives; and to ensure that they respond to emerging trends in the agricultural industry. The Institute was then officially launched by the Vice Chancellor on the 16th November 2011.

Senior members of the Institute continued to conduct research, contribute to the teaching and learning of pertinent areas of their expertise at the University. Development and dissemination of improved technologies were also made available to farmers and other stakeholders. Some Staff of the Institute had opportunities to pursue higher degrees. The Institute has started recruiting and maintaining highly qualified research and other supporting staff to fill positions created by the defined research focus areas at the respective centres to promote quality research. The reconstituted Research Committee of the Institute met twice during the period under review.

The Research Centres continued to conduct the annual 6-week (May-July) long vacation practical training for post-Level 200 students of the School of Agriculture. The students were attached to each Centre for 2 weeks. The annual 10-month (February - December) Leventis Farmers Training Programme was also organized on all the three Centres. All together 99 young farmers across the Country graduated at the end of the 10 month training on 8th December, 2011.

The Ghana Investment Fund for Electronic Communication (GIFEC) donated 60 computers and UPS to the Institute to aid in research activities at the Centres. A video conferencing facility funded by the Teaching and Learning Innovation Fund (TALIF) has been completed at FOHCREC. A new submersive water lifting pump for irrigation, funded by National Council for Tertiary Education (NCTE) has been installed at SIREC. The construction of the new office/laboratory block at SIREC is still at its initial stages. The operations and management of the Cage Fishing project is now under the Institute supervised by the Head of Centre, SIREC. The Institute now hosts a website which is regularly updated.

Memorandum of Understanding was signed by the Vice Chancellor on behalf of the Institute with the following Institutions/Agencies for collaborative Research and Development during the period under review:

- Ministry of Food and Agriculture on behalf of the Youth in Agriculture (YIAP)
- Ministry of Food and Agriculture on behalf of the Export Market and Quality Awareness Project (EMQAP)
- Ghana Rubber Plantations Limited
- Forum for Agricultural Research in Africa (FARA) and Concern Universal Ghana (CU)
FOREST AND HORTICULTURAL RESEARCH CENTRE, KADE

OVERVIEW
The Centre undertook research on the production, multiplication, protection and marketing of forest and horticultural crops including citrus, rubber, oil palm, avocado, plantain, and vegetable crops. Emphasis was placed on the development of rapid field multiplication systems for plantain and banana, rootstock effects on juice quality and yield of citrus in Ghana, development of tomato, pepper and Asian vegetable crops suitable for the forest zone of Ghana, and improved fallow systems using leguminous cover crops.

Research Fellows undertook the annual practical training of post-level 200 students of the School of Agriculture as well as agricultural science students of other tertiary and secondary institutions in the country. Senior members of the Centre also contributed to the teaching and supervision of undergraduate and graduate students of the School of Agriculture, trained young farmers under the Leventis Foundation Farmers’ Training Programme and offered extension services to farmers.

Replanting of old cocoa plantation was carried out (50 acres of cocoa/plantain). Continuation of research studies on planting material, clonal and fertilizer trials was done as well as on-farm rubber trials in weed management and maintenance plus tapping and stimulation trials were also carried out.

The Export Marketing and Quality Awareness Project (EMQAP) of the Ministry of Food and Agriculture (MOFA)/ARC-Kade built 3 green house, a dam for dry season vegetable farming.

EMQAP’s renovated old primary school block be used as offices was handed over to the project but the pack-house and cold storage facility and agrochemical storage facility have not been completed.

The Centre also supplied improved budded citrus and improved grafted mango planting materials to farmers.

The Centre again participated in the University’s home coming event.

STAFFING
Academic Staff 9
Non-Academic Staff 199

One Senior Member on study leave for a Ph.D. programme in Natural Resources and Management at the New York State University, USA has completed his studies and returned to the centre. One Senior staff completed his PhD programme at the Crop Science Department, Legon. One Senior Member and one Senior Staff are on Ph.D. programme at the Crop Science Department, Legon. Six junior staff retired on 31st July 2011. One Research Fellow has been employed.

VISITORS TO THE CENTRE

Educational Visits
1. Vice-Chancellor, University of Ghana
2. Provost, College of Agriculture and Consumer Sciences, University of Ghana
3. Chairman, College Council
4. St. Thomas Aquinas Senior High School
5. Crop Science Department
6. Other visitors - 35

BENEFACTORS
• The Leventis Foundation, London has annually supported the Centre since the early 1990s to run the Farmers training programme.
• The World Bank’s TALIF project is funding a project at the Centre to develop a Video-Conference Facility.
• The Export Marketing and Quality Awareness Project of the Ministry of Food and Agriculture is rehabilitating/constructing office accommodation, warehouse, cold storage house and agrochemical store as well as rehabilitating the Nkwantanang – Research Centre feeder road plus installation of shade houses to help the centre set up demonstration plots for the horticultural industry.
PUBLICATIONS

Nkansah G. O.


Ofosu-Budu K.


Adjei-Nsiah S.


Asuming Boakye A.


PROJECTS/RESEARCH IN PROGRESS

Individual and collaborative research activities of senior members were in the following areas:

Nkansah, G. O.

- Avocado Improvement programme in an Export Oriented Ghanaian Economy.
- Studies on the agronomy and physiology of horticultural crops.
- Agronomic evaluation of vegetable accessions.
- Bioefficacy evaluation of weedicides in the forest agro-ecology.
- Evaluation of organic and inorganic fertilizers on growth and yield of mango and avocado.
- Effect of GA3 and NAA on flower and fruit retention of mango
- Effect of carbonated rice husk and organic manure on growth, yield and fruit quality of some vegetable crops.
- Effect of organic liquid fertilizers and bio-stimulants on growth, yield and fruit quality of vegetable crops.
- Pineapple production in the forest zone

Kwame Afreh-Nuamah

- Development of sustainable and integrated management strategies against the fruit flies for fruit safety and environmental protection in citrus and mango plantations in Ghana.
Ofosu-Budu G. K.
- Evaluation of organic and inorganic fertilizers and micronutrients on growth and yield of Late Valencia on different rootstock.
- Evaluation of *Mucuna bracteata* and *Pueraria phaseoloides* for growth and restoration of soil fertility under degraded environment.
- Comparative study of *Mucuna bracteata* and *Pueraria phaseoloides* as cover crops on growth and yield of oil palm.
- Genotypic differences in growth rates, water use efficiency and transpiration rates of plantain at the nursery stage.
- Water use efficiency and transpiration rates of some NERICA rice varieties at the reproductive stage.
- Water use efficiency and transpiration rates of some citrus rootstock at the nursery stage.
- Effect of rootstock on transpiration and water use efficiency of Late Valencia scion.
- Effect of nitrogen source on growth and dry matter partitioning of some plantain genotypes at the nursery stage.
- Nutrient management studies of young oil palm seedlings using compost.

Adjei-Nsiah S.
- Evaluation of profitable and sustainable cropping systems in cassava and grain legumes.
- Evaluation of profitable and sustainable weed management systems in citrus-based cropping system.
- Lack of resilience in African small holder farming: Exploring measures to enhance the adaptive capacity of local communities to pressures of climate change.
- Inclusion of community based agro-biodiversity conservation into value chains and markets: designing viable institutional configurations through cross-site learning in Southern Africa, Ghana, Columbia and Thailand.

Hotsonyame, G. K.
- Development of improved fallow systems using leguminous cover crops.
- Growth and yield of citrus under pueraria and mucuna cover crops.

Brentu F. C.
- Importance, etiology and control of fruit spot diseases of sweet orange
- Nematode studies in citrus and oil palm in Ghana
- Studies on the host range of the plantain lesion nematode, *Pratylenchus coffeae*
- Bioefficacy evaluation of nemathorin (Fosthiazate WG – 10) against nematodes on plantain and banana
- Control of plantain nematodes with crop residue.

Torkpor S.
- Detection, diagnosis, epidemiology and management of viral and viral-like diseases of crops using conventional and molecular techniques
- Citrus graft-transmissible pathogens using both conventional and molecular techniques
- Status of cassava mosaic disease, its whitefly vector, and begomoviruses associated with the disease in the country, other geminiviruses;
- Molecular diagnosis of plant pathogens

Assuming Boakye A.
- Development Economics Relating to Poverty and Household Food Security
- Issues and Project Impact Assessment

CONFERENCES/WORKSHOPS/SEMINARS
Nkansah G. O.

Adjei-Nsiah S.
- Monitoring and Evaluation Training Workshop, 31 October-4 November, 2010, Cotonou, Benin
- Agricultural Innovation Coaching Training Workshop, 17-30 June, 2010, Bamako, Mali
LIVESTOCK AND POULTRY RESEARCH CENTRE, LEGON

OVERVIEW
The Centre is the first of the three Agricultural Research Centres of the University and concentrates its research on enhancing sustainable and profitable production of Livestock and Poultry. The Centre maintains cattle, sheep, goats, pigs, donkeys, guinea fowls, chickens, ostriches and a yoghurt production facility for teaching, training, research and income generation.

The Centre is a huge resource for practical instruction of the various levels of students of the School of Agriculture; particularly post Level 200 students, as well as students from Central University College. Agricultural Colleges as well as various private individuals come to the Centre for short-term practical attachments.

Teaching support at the Departments of Animal and Crop Sciences at the School of Agriculture, Legon by Research Fellows is now moderate with recruitment of new staff by the Animal Science Department. The Centre’s research programmes have been streamlined and currently the areas of research focus are:

- Animal Improvement and Production
- Animal Nutrition and Forages
- Animal Health
- Animal Traction
- Processing
- Agribusiness and Systems Innovation

Apart from the first two areas, the others have no Researchers to lead research in them. The Centre therefore has several vacancies for Research fellows but advertisements placed in the National media and the University’s site for more Research Fellows did not elicit the desired response.

The Centre continues to provide facilities for the execution of Level 400 student projects and Graduate students’ thesis research; some Fellows are supervisors of these students. During the year, more than twenty pre-tertiary institutions from Kindergarten, Junior High Schools, Senior High Schools and Training Colleges visited the Centre to see the various livestock and poultry species and to familiarize themselves with various livestock and poultry husbandry practices.

STAFFING POSITION
The Centre currently has a total Staff strength of 121 staff as follows:

<table>
<thead>
<tr>
<th>Position</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Research fellows</td>
<td>2</td>
</tr>
<tr>
<td>Research fellows</td>
<td>3</td>
</tr>
<tr>
<td>Senior Staff</td>
<td>24</td>
</tr>
<tr>
<td>Junior Staff</td>
<td>92</td>
</tr>
</tbody>
</table>
RESEARCH PROJECTS/ACTIVITIES
Naazie, A.
- Characterisation and conservation of indigenous (domestic) animal genetic resources
- Feeding animals for profit and product quality

Adogla-Bessa, T
- Availability, feeding value and utilisation of browse forages and crop residues by small ruminants
- Feed resources in rangelands
- Livestock agroforestry systems and applications

Adjorlolo, L.K.
- Small ruminants in integrated crop-livestock farming system
- Strategies for improving the utilization of cereal crop residues by small ruminants

Mahama, E.A.
Seconded to the Ministry of Food and Agriculture.

Timpong-Jones, E.C.
- Monitoring and evaluation of range resources
- Harvest management and preservation of forage species
- Ruminant livestock performance on forage species

PUBLICATIONS/PAPERS PRESENTED AT CONFERENCES
Naazie, A.

Adogla-bessa, T.

Adjorlolo, L.K.

Timpong-Jones, E.C.

CONFERENCES/WORKSHOPS/SEMINARS ATTENDED
Naazie, A.
SOIL AND IRRIGATION RESEARCH CENTRE-KPONG

OVERVIEW
The Centre, for the period under review continues to conduct research into mechanized irrigated agriculture on the dominant black clay soils (Vertisols) of the Accra Plains, for the purpose of exploiting their full potential for crops, livestock and possibly fish production. The major research focus was on soil and crop. The principal crops studied were rice, maize, soybeans, vegetables and mango.

Production on commercial basis for the period concentrated on fragrance (perfume) rice production for sale as seed rice and milled rice. An average yield of 4.4t ha⁻¹ was gotten from cultivating rice on 3 hectares of land. 0.8 hectare of land is yet to be harvested. Vegetable, maize and mango production were also undertaken for income generation for the Centre. The cage fishing project that was initiated by the College has been put on hold for the time being. The Centre is also into the production of high quality grafted mango (exotic) seedlings.

CONSTRUCTION AND DEVELOPMENT PROGRESS REPORTS

Installation of Water Pump
A new water pump has been installed for the Centre following the breakdown of the old one. The cost of the pump and its installation were borne by National Council for Tertiary Education (NCTE), through the effort of the Ag. Finance Officer and the Director, IAR.

Home Coming/Launch of Institute of Agricultural Research
The Centre participated in the Home Coming Event of the University and the Launching of the Institute of Agricultural Research (IAR) held in November 14 - 18, 2011. Posters were presented on research activities of Senior Members, other extension, commercial and overview of the Centre. Rice produced from the Centre was also sold in well packaged sachets with University of Ghana labels. The Ghana Investment Fund for Electronic Communication (GIFEC) presented twenty computers and accessories to the Centre which are yet to be installed. Contacts have been made with Volta River Authority (V.R.A.) for possible collaboration. Proposal for this collaboration has been submitted. Initial feedbacks were encouraging. We are however, yet to receive written commitments.

Office/Laboratory Block
The building is still at the foundation stage with no activity ongoing at the site presently. The contractor explains this as a result of inability to get money from the GetFund.

Access Road to SIREC, Kpong
The 3.78 km access road from the Accra – Akosombo road to SIREC, Kpong is still in a bad state in spite of the advertisement in the Daily Graphic for the award of the maintenance of the road.

STAFFING POSITION
The current staffing position stands at:
Staff Category
1 Associate Professor
1 Senior Research Fellows
2 Research Fellows
3 Research Fellows (On study leave)
12 Senior Staff
85 Junior Staff
104 Total staff strength

The Centre has three Senior Members granted study leave for PhD studies. One Senior Member, Dr. Ken Okwae Fening (Entomologist) has been recruited and has assumed duty in January 2012. Two Senior Staff and four Junior Staff were also recruited during the period.

Within the period, two Senior Staff of the Centre, Messrs Simon Kofitse went on voluntary retirement and Abraham Doku Tetteh retired from the University of Ghana. Messrs Charles Dzidzornu and Francis Damesi all Junior Staff also retired from the University. One Junior Staff, Mr. Lawrence Bayor died on the 24th September, 2011.

3 Staff on Study Leave

RESEARCH ACTIVITIES
MacCarthy, D. S.
• Effect of Rice Husk Biochar on the yield of lettuce and soil physio-chemical properties of a vertisol.
• Assessing the impact of variability in climate on maize productivity on the vertisol.
• Effect of inorganic fertilizer application on the growth, yield, nitrogen fixation and protein content of soyabean.

Yangyuoru, M.
• Design and management of small-scale irrigation schemes with rainwater harvesting
• Development options for rural water in West African Savannas
• Characterisation of soil water retention with coarse fragments
• Effects of soil conditioners (Albedo Membrane System) on some soils in Ghana
• Climate variability and cultural practices on crop yields on the Vertisols

Nyalemegbe, K. K.
• Improving soil productivity through cropping of NERICA rice variety and Cowpea.
• Characterisation of some Accessions of Indigenous Rice (Oryza glaberrima Steud) in Ghana.
• Effect of inorganic fertilizer application on the growth, yield, nitrogen fixation and protein content of soyabean.

Mawunya, F. D.
• Climate and agronomic information for farm level decision making. A case study of the Akatsi District of Ghana.
• Agro-climatic characteristics of the Accra Plains of Ghana.
• In-season field moisture dynamics and maize yield response on the Akuse Vertisols.

PUBLICATIONS/ PAPERS PRESENTED AT CONFERENCES
MacCarthy, D. S.

Yangyuoru, M.

Nyalemegbe, K. K.

Mawunya, F. D.

WORKSHOP/CONFERENCES ATTENDED
MacCarthy, D. S.
• Africa LEAD Champions for Change Leadership Training Program. Held at Miklin lofet from 9–13th May 2011.

Yangyuoru, M.

Mawunya, F. D.
OVERVIEW
The West Africa Centre for Crop Improvement (WACCI), a partnership between the University of Ghana (UG) and Cornell University, was established with funding from the Alliance for a Green Revolution in Africa (AGRA) in June 2007 to train 40 Plant Breeders in a PhD programme at the University of Ghana. The establishment of the Centre was based on the successful model of the African Centre for Crop Improvement (ACCI), University of Kwazulu Natal, South Africa. This model is based on the premise that we can train African Plant Breeders in Africa, working on African crops in African environments. The PhD is a 5-year programme. In the first year, students take five 3-credit hour courses per semester. The second year involves modular courses delivered by experts from advanced institutions around the world. After two years, students return to their home research institutes for three years to conduct thesis research. In 2008, the Centre obtained additional funding from the Generation Challenge Programme (GCP) to train 4 additional students. Currently, the Programme has enrolled 44 students from Burkina Faso, Cameroon, Ghana, Kenya, Niger, Nigeria and Mali.

COURSES
WACCI offers ten (10) courses during the first year of the PhD programme. The Second year students take advanced modules (one-two week courses) in plant breeding, biotechnology, biometry, leadership and communication.

STUDENT NUMBERS
• First Cohort (PhD) - 8
• Second Cohort (PhD) - 10
• Third Cohort (PhD) - 10
• Fourth Cohort (PhD) - 8
• Fifth Cohort (PhD) - 8
• Total - 44

11  Academic Staff
9  Non-Academic Staff
25  Guest Lecturers

PUBLICATIONS

CONFERENCES/WORKSHOPS/SEMINARS ATTENDED
Danquah, E.Y
• Developing Climate Smart Crops for a 2030 World, Addis Ababa, Ethiopia, December 6-8, 2011.
• International Symposium on the Actualization of the National Centre for Crop and Animal Improvement (NACCAI), Abuja, Nigeria, March 3, 2011

Offei, S.K.
• Agriculture & Forestry (AFOLM) Management & E-Learning Workshop Alicante-Spain 6-9 September, 2010
• Seminar on Harmonisation and Quality Assurance in the Ghanaian Higher Education System DAAD/MOE/NCTE/NAB 30th August- 1st September 2010 Accra, Ghana
Danquah, E.Y and Offei, S.K.
• University of Paris XI PhD Supervisory Meeting, URGV - Plant Genomics Research Unit, INRA CNRS UEVE, Evry Cedex, France, June 11-18, 2011
• University of Ghana-Cornell University WACCI Phase II Planning meeting, Cornell University, Ithaca, USA, July 10-16, 2011.
• WACCI Phase II Meeting, AGRA, Nairobi, Kenya, August 11 - 14, 2011.

Danquah, E.Y., Gracen, V., Offei, S. K., Thé, C.
• AGRA Grantee Meeting “Accelerating the Green Revolution in Ghana” Kumasi, Ghana, February 21 to 23, 2011.

Danquah, E.Y., Gracen, V., Offei, S. K., Yeboah, M., Ofori, K.
• The Alliance for a Green Revolution in Africa (AGRA) Curricula and Supervisory Meeting for Faculty in the EACI supported programmes, Kundunchi Beach Hotel and Resort, Dar es Salaam, Tanzania, May 24 - 26, 2011.

VISITORS TO WACCI
During the 2010/2011 academic year, WACCI hosted a number of distinguished visitors. Prominent amongst them were:
• Morgan Nzwere, Rob Javis, C. Mugadza and Elliot Tembo from SeedCo Zimbabwe, visited WACCI on March 10, 2011.
• Miesuhiro Kato, Hajime Nabeta and Fuyuki Sagara from JICA paid a visit to WACCI on March 13, 2011
• Hon. Peter Kamei, Deputy Minister for Internal Affairs of Liberia visited WACCI on September 14, 2011 to explore opportunities for students from Liberia.
• Dr. Meg Brown, a USAID Consultant from Washington DC and Mr. Belay Mengistu from the USAID Country Office, Accra paid a visit to WACCI on November 2, 2011 to discuss WACCI’s potential role in the Feed the Future Programme.
• Sir Professor Gordon Conway of Imperial College, UK visited WACCI on November 24, 2011.
• Dr. Julie Howard, Chief Scientist at the Bureau for Food Security and Senior Advisor to the Administrator on Agricultural Research, Extension and Education at the USAID, Washington DC visited West Africa Centre for Crop Improvement (WACCI). She was accompanied by Dr. Robert Bertram, Director, Office of Agricultural Research and Policy and Mr. Jerry Glover, International Agriculture Research Advisor, both from the Washington DC office.

RESEARCH ACTIVITIES
During the period under review, a total of 1,259 hybrids maize varieties tolerant to biotic and abiotic stresses were evaluated in the field. The yield of the varieties range from 4-5 t/ha for early varieties and 5-9 t/ha for intermediate varieties.
COLLEGE OF HEALTH SCIENCES

Medical Sciences became part of the University of Ghana’s programmes in 1962 when the first batch students were admitted to pursue courses for a degree in medicine. The government of Ghana with Dr. Kwame Nkrumah as President, decided to have a Medical School fully owned by Ghana and with Ghanaian management and teaching staff. In 1964, Professor C. O. Easmon was appointed first Dean of the Ghana Medical School. This School was housed in temporary buildings at the Korle Bu Hospital that also became a Teaching Hospital to provide clinical courses for the School.

In 1969, the Ghana Medical School was formally incorporated into the University of Ghana Medical School (UGMS). In that same year, the first 39 graduating students of the School were awarded University of Ghana degrees.

In 1974, the UGMS initiated the development of a Dental School. The Basic Dental Science courses were offered at the Medical School while clinical programmes were pursued at the University of Lagos, Nigeria, the University of Manchester and the University of London, U.K. In 1992, the clinical courses became fully localized. The University therefore granted Dentistry a faculty status. The first batch of locally produced dental surgeons graduated in 1997.

In 1979, the Noguchi Memorial Institute for Medical Research (NMIMR) was established with sponsorship from the Japan government through the Ministry of Finance and Economic Planning. This Research Institute was sited on the plot of the University of Ghana earmarked for the permanent medical school.

In 1994, the Medical School, in collaboration with the Ministry of Health, brought into being the School of Public Health for graduate courses leading to the award of MPH, MPhil and PhD degrees. This School is currently located in the Bill Gates Centre for Malaria Research and Control at the site for the medical complex at the main University.

The Ministry of Health, in 1998, initiated the establishment of a School of Allied Health Sciences to train graduate Allied Health Professionals. Programmes for this school include physiotherapy, medical laboratory science, dietetics, occupational therapy, audiology and radiography. The Academic Board and the University Council approved this proposal in 1999. In the year 2001, this School came into being. An earlier Diploma in Medical Laboratory Technology also sponsored by the Ministry of Health in 1994 was phased out, with the birth of the School of Allied Health Sciences.

The idea of creating a College of Medicine was mooted in 1994. Planning for the College took five (5) years. In 1997, the Academic Board of the University endorsed proposals from the UGMS to bring together Medical School, the School of Public Health, Noguchi Memorial Institute for Medical Research, the School of Allied Health Services and a School of Nursing as a College of Medical Sciences.

On December 11, 1999, the University Council gave assent to the establishment of the College but changed the name to COLLEGE OF HEALTH SCIENCES.

Schedule D of the University of Ghana Statutes that established the UGMS was therefore amended to bring the College into being.

VISION OF THE COLLEGE
Bringing good health, comfort and happiness to people.

MISSION STATEMENT
Our mission is to produce highly qualified and competent health professionals and medical scientists to provide promotive, preventive and curative services to meet the health needs of the nation and the global community through world class excellence in teaching, research and dissemination of knowledge.

We will draw on our diverse but complementary core competences in Nursing, Medicine, Dentistry, Public Health, Allied Health Sciences, Biomedical Research and Consultancy Services to meet existing and emerging health challenges in order to compete effectively in the globalized world.

We will strive to create a working environment that fosters dedication, co-operation and rewards hard work, initiative and creativity.
We will always be guided by the needs of our stakeholders including students, patients, private and public organizations, local and international community and provision of our services.

We will position ourselves to promote and utilize emerging technologies to enhance the quality of our services.

In all our activities, we shall uphold the highest level of professionals ethics, openness, fairness and honesty.

**CONSTITUENT INSTITUTIONS**
The College has the following institutions:

- The College of Ghana Medical School (UGMS)
- The University of Ghana Dental School (UGDS)
- The School Public Health (SPH)
- The School of Allied Health Sciences (SAHS)
- The School of Nursing (SON)
- The University of Ghana School of Pharmacy (UGSOP)
- The Noguchi Memorial Institute for Medical Research (NMIMR)

The College, headed by a Provost, is appointed by the University Council on recommendation of the Appointments Board. Each School/Institute is also headed by a Dean or Director who is appointed from amongst the professorial members of Faculty by Council, on the recommendation of the Appointments Board.

**STAFFING**

<table>
<thead>
<tr>
<th>Position</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provost</td>
<td>1</td>
</tr>
<tr>
<td>Deputy Provost</td>
<td>1</td>
</tr>
<tr>
<td>College Registrar</td>
<td>1</td>
</tr>
<tr>
<td>Dean</td>
<td>4</td>
</tr>
<tr>
<td>Ag. Dean</td>
<td>2</td>
</tr>
<tr>
<td>Vice-Dean</td>
<td>2</td>
</tr>
<tr>
<td>Finance Officer</td>
<td>1</td>
</tr>
<tr>
<td>Ag. Librarian</td>
<td>1</td>
</tr>
<tr>
<td>Assistant Registrar</td>
<td>4</td>
</tr>
<tr>
<td>Assistant Librarian</td>
<td>2</td>
</tr>
</tbody>
</table>

**Governance**
The term of office of the Chairman of the College Council, Mr. Edward Effah, came to an end during the year under review and the College is taken steps to have a replacement. The College also expanded the membership of its Council to include a representative of the Teachers and Educational Workers Union and another representing graduate students in the College as stipulated in the new statutes of the University.

New administrative appointments were made during the year under review. Professor Yao Tettey was appointed Dean of the Medical School. Professor Jennifer Welbeck has taken over as the new Vice-Dean for the Medical School. Also joining the administration of the College during the period was Rev. Dr. Patrick Ayeh-Kumi who has been appointed Acting Dean for the School of Allied Health Sciences to replace Professor E.K. Wiredu whose term of office ended.

**Graduating Students**
The College graduated a total of 754 students during the year under review.

38 nurses received training at the School of Nursing for the Certificate Programme in Paediatric Nursing last year. This programme is receiving sponsorship from the Canadian International Development Agency (CIDA) and Sick-kids Foundation in Canada.

**Infrastructural Development**
The College continues to make progress in the area of infrastructural development. Our quest to relocate to the Legon campus is on course. Following the sod cutting ceremony by His Excellency Professor John Evans Atta Mills on the 12th of March 2011 for the College projects, Parliament approved a loan of $359 million for the construction of a new 600 bed Teaching Hospital for the College in Legon. A Value for Money audit was undertaken and once completed,
construction work will commence. Business plans for a new School of Biomedical Sciences as well as a diagnostic centre and a premium hostel have also been completed and the projects have been advertised for expression of interest.

The University has made available to the College a sum of GH¢1.00 million towards the construction of a central College Administration block.

The College continues to make progress in the development of partnerships with international institutions for research and training. The US Higher Education Department (HED) and USAID are supporting a new partnership with Brown University with a $1.1 million grant to enhance HIV/AIDS training and research throughout the country. Another benefit of the grant will be the establishment of a virtual Centre of Excellence for HIV/AIDS training and research in the sub-region. The College is also investing in partnerships with Danish Universities under a health platform for training at Doctoral and Postdoctoral levels. Through this, the College hopes to build faculty and enhance research output.
The Dental School continued with the pursuit of its objective of training high caliber of Dental Surgeons capable of meeting the oral health needs of the nation. In doing this, the School run various courses and offered services to members of the general public who needed oral care. The School also embarked on outreach programmes in various Basic Schools, Churches and deprived Communities to reach out to our country men and women who required oral health care.

Being a constituent institution of the College of Heath Sciences, University of Ghana, the Dental School continued to practice the committee system of governance. The Management Board which is the highest decision making body met three (3) times and took the following major decisions which were also implemented during the course of the year:

- Two Dental Surgery Assistants (DSAs); Mrs. Gladys Nketia and Ms. Abigail Karikari were sponsored by the School to pursue a DSA programme at the Kintampo Rural Health Training Centre.
- In-Service training for the Dental Surgery Assistants in the form of lectures and practicals sessions in Cross Infection Control.
- Lectures were also delivered in topical areas by Heads of department, Senior Members, Residents and visiting Scholars to the School.
- The School was to explore the possibility of instituting a DSA course. The University’s regulations on short courses would be considered to see how applicable that would be.
- The following examination results were approved:
  A. BDS Final Part IIA Examination
  B. BDS Final Part IIB Examination
  C. BDS Final Part III Supplementary Examination
- The School admitted twenty-four (24) students to level 200 this academic year. Thirty (30) direct entry applicants were also admitted to level 100 to pursue the Bachelor’s degree in Dental Surgery. Details of the admission were as follows:
  
<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular students</td>
<td>15</td>
</tr>
<tr>
<td>Full fee paying students</td>
<td>14</td>
</tr>
<tr>
<td>Foreign student</td>
<td>1</td>
</tr>
</tbody>
</table>

Academic Affairs

Attendance
In order to achieve the objectives of the School’s curriculum, attendance to lectures and laboratory sessions were enforced. Didactic teaching and clinical practice were combined with minimal absenteeism. A few students who absented themselves were reprimanded.

General
The Dental School continued to run its academic programmes namely:
BDS Part I
BDS Part II
BDS Part III

The Students performed satisfactorily, although some of them failed and had to resit to be able to move on. No student was repeated. Teaching and learning went on smoothly in a very conducive environment.

Examinations
Students attended scheduled examinations and continuously participated in the evaluation protocol that is specified for a course. There were also in – course assessments that contributed 30% to the overall examination marks.
Finance/Fundraising
The School was able to raise some funds by appealing to some of its alumni to donate to support the on-going project. Bulk of money for the project came from the GETfund through the College of Health Sciences.

Donations/Benefactors
The School receives donations from within and outside the Country. These donations comprise of clinical consumables for the clinic, text books and students journals for the Library.
Some of our benefactors include Dr. Donna Grant-Mills of Howard University, USA, and Dr. Albert Clottey from Australia.

Physical Development
Phase II of the Dental School project is on-going. Work is currently being done on the 3rd floor.

Staff Development
Four (4) of our Dental Surgery Assistants have been sponsored by the School to pursue a Dental Surgery Course at the Kintampo Rural Health Training Centre. Two (2) of our senior staff are also pursuing a degree programme in Business Administration at the University of Ghana and the Institute of Professional Studies (IPS).

Summary of students’ statistics
For the 2010/2011 academic year

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>MALE</th>
<th>FEMALE</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS Final Part I (Class of 2014)</td>
<td>18</td>
<td>6</td>
<td>24</td>
</tr>
<tr>
<td>BDS Final Part II (Class of 2013)</td>
<td>15</td>
<td>6</td>
<td>21</td>
</tr>
<tr>
<td>BDS Final Part III (Class of 2012)</td>
<td>15</td>
<td>14</td>
<td>29</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>48</strong></td>
<td><strong>26</strong></td>
<td><strong>74</strong></td>
</tr>
</tbody>
</table>

Summary of Staffing Positions
The breakdown of Staff at post is:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>TOTAL</th>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Professors</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Senior Lecturers</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Lecturers</td>
<td>6</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Lecturing Assistants</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Research Fellow</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Senior Administrative/Professional</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Senior Staff</td>
<td>25</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>Junior Staff</td>
<td>91</td>
<td>38</td>
<td>53</td>
</tr>
<tr>
<td>Part Time Lecturers</td>
<td>13</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td>Contract Staff</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>147</strong></td>
<td><strong>73</strong></td>
<td><strong>74</strong></td>
</tr>
</tbody>
</table>

The following committees also met and took various decisions that helped in the running of the School.

<table>
<thead>
<tr>
<th>Name of Committee</th>
<th>Number of times met</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Finance and Development Committee</td>
<td>2</td>
</tr>
<tr>
<td>2. AFUF Committee</td>
<td>2</td>
</tr>
<tr>
<td>3. Faculty Meeting</td>
<td>3</td>
</tr>
<tr>
<td>4. IGCC</td>
<td>2</td>
</tr>
<tr>
<td>5. Audit Review Committee</td>
<td>1</td>
</tr>
<tr>
<td>6. Mobile Van Committee</td>
<td>3</td>
</tr>
<tr>
<td>7. Examiner’s Board</td>
<td>6</td>
</tr>
</tbody>
</table>

Furthermore, the School held its retreat during the year to restructure the academic programme and the time table. At that meeting, a Research Committee was constituted to oversee the Research activities of the School. It was also agreed that a Research Unit be created to coordinate the School’s research agenda. The unit was subsequently established while the Research Committee had its maiden meeting on Thursday, 24th November, 2011.
Challenge
Our major challenge was lack of funds for the building project which was going on at a very slow pace. This has put extra pressure on the limited facilities and our aging faculty. The School is however, making frantic efforts to contact stakeholders and donors for the necessary support to help complete the project.

Achievements
The School has so far trained 165 Dental Surgeons locally. We have also been providing community service to both the “have” and “have nots”, thus fulfilling our mandate enshrined in the University’s mission statement.

DEPARTMENT OF BIOMATERIALS SCIENCE

OVER VIEW
The Department of Biomaterial Science runs undergraduate programme in Dentistry through didactic teaching at the University of Ghana Dental School.

COURSES OFFERED
Dental Material Science

STUDENTS NUMBERS
1st Clinical Year - 24
2nd Clinical Year - 21

STAFFING POSITION
Full Time Lecturers - 1
Part Time Lecturers - 1

RESEARCH/PROJECTS
The Department’s research interests are in developing and evaluating local materials and natural biomaterials for Dental applications. For that reason, a number of research works are on-going.

CHALLENGES
• Lack of an equipped Biomaterial Science Laboratory for in-vitro projects. We are hopeful that we would be accommodated as the new building progresses.

RECOMMENDATIONS
• Secure funds for a well equipped BIOMATERIAL SCIENCE LABORATORY.

DEPARTMENT OF RESTORATIVE DENTISTRY

OVERVIEW
The Restorative Dentistry Department of the University of Ghana Dental School comprises of the following sub-specialty areas:

Conservative Dentistry – Operative Dentistry
– Endodontics
Prosthetic Dentistry – Removable Prosthodontics
– Fixed Prosthodontics

It is therefore, the largest component of the clinical program of the Dental School and is supported by the dental laboratory section in the teaching of dental students in prosthetic techniques and fabrication of dental appliances and prostheses.
The department is involved in the teaching of undergraduates in the BDS degree program and also in the clinical rotation training programs of the Postgraduates Residents of the West African Post-graduate Medical College, Ghana College of Physicians and Surgeons, School of Dental Technology and also the online (MclinDent degree) candidates of the Kings College/Guys Hosp/London.

**STUDENTS**

<table>
<thead>
<tr>
<th>Class</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Clinical Year Class</td>
<td>24</td>
</tr>
<tr>
<td>2nd Clinical Year Class</td>
<td>21</td>
</tr>
<tr>
<td>3rd Clinical Year Class</td>
<td>29</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>74</strong></td>
</tr>
</tbody>
</table>

**RESIDENTS AND POSTGRADUATES**

- Postgraduate On-line programme for MClin. Dent. Course, Kings College London) ................. 1
- Postgraduate Fellowship Residents in GCPS/WACS ................................................................. 5

**STAFFING POSITION**

- Full Time Lectures – 3
- Part Time Lecturers – 5
- Supporting Staff – 5

**ON-GOING RESEARCH/PROJECTS**

- Problems associated with the provision of acrylic dentures in patients seen at the University of Ghana Dental School.
- Oral hygiene status of institutionalized in Ghana
- Prevalence and aetiology of Toothwear in Ghanaians
- Radiographic assessment of the prevalence of technical quality of root canal treatment at the University of Ghana Dental School.
- Study of the root canal morphology seen in Ghanaian teeth (Collaboration with Dept. of Orthodontics/Child Dental Health.)
- Presence of MB-2 canal in the maxillary molars in Ghanaians.
- Evaluation of dental restorations placed in Ghanaian patients.
- 8 Waterlines Biofilm research (Collaborative research with Dept of Microbiology and Biomaterials Science).
- Etching ability of different concentrations of selected acids on Ghanaian teeth – Electron Microscopy study (A collaborative study).
- Patients Satisfaction at the department of Restorative Dentistry of UGDS.
- Prevalence and Predisposing factors for Cracked Tooth Syndrome among patients attending the University of Ghana Dental School Clinic.

**PUBLICATIONS 2011**


**PARTICIPATION IN WORKSHOPS / SEMINARS / CONFERENCES / PRESENTATIONS**

- Sensitization Course in Oral Implantology by International Congress of Oral Implantology (ICOI).
- Fellowship Course in Oral Implantology by International Congress of Oral Implantology (ICOI).
- Bone Grafting Course in Oral Implantology in Brazil.
- 21st Annual General Conference, Ghana Dental Association Accra, June 2011
- College of Health Sciences Annual General Conference, Sept 2011
- STATA Course on Analyzing Survey Data.
- Public Health/Global Course at the University of Michigan
DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

OVERVIEW
The Department of Oral and Maxillofacial surgery offered courses to two clinical years at the undergraduate level and five postgraduate students during the 2010/2011 Academic Year. Courses have also been organized for Medical students and Peri-operative nurses.

The courses comprised Didactic and Interactive lectures; practical and clinical sessions for the 2nd and 3rd Clinical year students. Students participate also in tumour clinics and theatre sessions.

The postgraduate students underwent much of practical training - performing and assisting in both minor and major surgery.

31 students were successful in the BDS final examination.

STAFF POSITION
Academic Research Staff – 5
Residents/Postgraduate Students – 5
House officers – 25
Senior staff – 1 (Ministry of Health)
Junior staff – 17 (Ministry of Health)

COURSES TAUGHT

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>No. of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Anaesthesia</td>
<td>2nd clinical year/BDS Part II</td>
<td>21</td>
</tr>
<tr>
<td>Oral Radiology I</td>
<td>2nd clinical year/BDS Part II</td>
<td>21</td>
</tr>
<tr>
<td>Oral surgery</td>
<td>3rd clinical year/BDS Part III</td>
<td>29</td>
</tr>
<tr>
<td>Oral Radiology II</td>
<td>3rd clinical year/BDS Part III</td>
<td>29</td>
</tr>
<tr>
<td>Oral &amp; Maxillofacial Surgery</td>
<td>Postgraduate Students</td>
<td>5</td>
</tr>
<tr>
<td>Maxillofacial Injuries</td>
<td>MB Ch.B Part I</td>
<td>180</td>
</tr>
<tr>
<td>Jaw swellings</td>
<td>MB Ch.B Part II</td>
<td>194</td>
</tr>
</tbody>
</table>

RESEARCH

Completed and Presented at Conference - Prof. Grace Parkins
Prospective study of “Maxillofacial Injuries in Multiply Injured Patients”

Ongoing
• Association of Human papilloma virus (HPV) with oral cancers.
• In collaboration with Prof Wiredu, Mr Harry Asmah, both of School of Allied Health Sciences, CHS and Prof George Armah, NMIMR, CHS.
• Detection of aetiological agents in oro-facial infections at the Korle-Bu Teaching Hospital.

EXTENSION

Prof. Grace Parkins
• Member, Board of Korle-Bu Teaching Hospital
• Chairperson, Audit Review Implementation Committee of Korle-Bu Teaching Hospital
• Member, Court of Examiners, Medical and Dental Council.
• Member and Treasurer, Council of Ghana College of Physicians and Surgeons.
• Examiner, Ghana College of Surgeons and West African College of Surgeons.

Dr. Dominic Avogo
• Lecturing of Peri-operative nursing students.

PUBLICATIONS

CONFERENCES / SEMINARS / WORKSHOP

Parkins, Grace
• 3rd – 12th May 2011, College of Health Sciences, Accra. Training in the use of the Integrated Tertiary Software (ITS) [Accounting software].

Dr Matthew Boamah
Conference/Seminars/Workshops
• Symposium on Headache: By WACS. 10/6/11
• Increasing access to cleft surgery and related services in Africa: Strategies and opportunities. By PAACLIP. 13-15/7/11
• Sensitization course in Dental Implantology. By ICOI. 25–26/6/11
• Comprehensive Oral Health care for All – Challenges and Solutions. By GDA. 23-25/6/11
• A course on Oral and Maxillofacial surgery /Oral Pathology. By GDA 14/7/11
• The management of Hypodontia By GDA. 14/12/11

Dr. A. E. Abdulai
Publication

Conference
• 9th May, 2011 – 11th May, 2011: Africa Health Exhibition and Congress, Johannesburg Expo Centre, Cnr Rand Show and Nasrec Road, Johannesburg.

DEPARTMENT OF COMMUNITY AND PREVENTIVE DENTISTRY

OVERVIEW
The Department of Community and Preventive Dentistry runs Undergraduate programme in Dentistry through didactic teaching. The Department is also actively involved in Community Outreach services organized by the Dental School to identified deprived areas or Communities within the Greater Accra region. These Outreach Programmes allow the students to acquaint themselves with what pertains in the Community so far as Oral Health Needs of the population are concerned.

Students undertake Research Projects which are presented and defended as Practical Work/Long Essays in the BDS Final Part III examination.

Postgraduate training is also offered in line with the objectives of the Ghana College of Physicians and Surgeons and the West African College of Surgeons.

The Department actively participates in the College of Health Sciences Scientific Conference with Lecturers and Students presenting Papers and Posters.

STAFFING
Head of Department 1
Senior Members (Full Time) 2
Senior Research Fellow 1
Part Time Lecturer 1
Senior Staff 1
Administrative Staff 1

STUDENTS
Clinical Year I 24
Clinical Year II 21
Clinical Year III 29
Postgraduate Residents 5

DEPARTMENT OF ORAL BIOLOGY

OVERVIEW
The department of Oral Biology runs undergraduate programmes in Dental Morphology, Oral Biology and Oral Physiology, through didactic teaching including practicals at the Dental School. The course is undertaken in the first and second clinical years

STUDENT NUMBERS
1st clinical year 24
2nd clinical year 21

STAFFING POSITION
Full Time Lecturer 1
Part Time Lecturer 1

RESEARCH/PROJECTS
• Study of tooth sizes in Ghanaians
• Wisdom tooth calcification
• Assessment of chronological and dental ages in Ghanaians

PAPERS PRESENTED
• The management of hypodontia. Orthodontic and paedodontic concerns. Dec. 14th 2011

CONFERENCES ATTENDED
• American Association of orthodontists annual meeting. Chicago Illinois. May 13-may17 2011
• International incognito users meeting. March 6th, Dubai
• 3M unitek symposium “future of intelligent orthodontics” march 4-5 2011
• GDA conference. 23rd-25th June, 2011. Accra
• Fifth annual scientific conference of college of health sciences. 21st -23rd September 2011

DEPARTMENT OF ORAL PATHOLOGY/ORAL MEDICINE

OVERVIEW
The Department of Oral Pathology/Oral Medicine activities include training of students and offering clinical service. The constituent units are oral diagnosis clinic, oral radiology and oral pathology.

COURSES
Undergraduate Level : Oral Pathology I
: Oral Pathology II
: Junior and Senior clinical rotations in Oral Diagnosis
Postgraduate Level: Residency in Oral Pathology
: Rotation in Oral Pathology/Oral Medicine for Residents from other specialties.

STUDENT NUMBER
2nd Clinical Year Class 21
3rd Clinical Year Class 29
Total 50

Postgraduates 1
Academic Staff 2
Non-Academic Staff 3

VISITORS TO THE DEPARTMENT
• Haubek D. (DDS., PhD) - Dept. of Pedodontics, Dental School, Arhus University, Denmark.
• Johansson A. (PhD) – Dept. of Oral Microbiology, Institute of Odontology, Umea University, Sweden.
• Dahlen G. Microbiologist (PhD), Oral Microbiology, Institute of Odontology, Sahlgrensak Academy at University of Gothenburg, Sweden.
• Carola Hoglund-Aberg, DDS – Dept of Periodontology Institute of Odontology, Umea University, Sweden.

PUBLICATIONS
• F. Kwamin, J.T. Sackeyfio, J.S. Acquah, T. Archampong, A.A. Boateng -
• Ethical Implications in the Screening of Health-care students for HIV/Hepatitis B at the College of Health Sciences, Korle-Bu. G.D.A. Vol.8 No.1: June 2011.
• F. Kwamin, G. Parkins, E.A. Nyako - “Herpes Zoster Infection in HIV with Maxillary and Mandibular Osteonecrosis with Teeth Exfoliation.” Accepted for publication by the International Journal of Dental Case Reports (IJDCR) – 04/02/11.
• F. Kwamin, Gref R, Haubek D, Johansson A. – “Interaction of compounds from selected chewing stick sources with Aggregatibacter Actinomycetemcomitans” In Review - BMC

Research in Progress
• Prevalence of Fusobacterium Necrophorum in Adolescents in Ghana.
• Virulence and clonal diversity of aggregatibacter actinomycetemcomitans and association with aggressive periodontitis.
• Anxiety and Dental Treatment
• Communication gap between the Patient and the Health Care Worker.

CONFERENCES/WORKSHOPS/SEMINARS
• Ghana Dental Association Annual Congress – Accra, 2011
• College of Health Sciences Annual Scientific Conference – Accra, 2011
• International Association of Dental Research Conference, Abuja, 2011.

BENEFACTORS/VISITORS
These are all research students from University of Umea, Sweden
• Oscar Gustafson
• Fredrik Amnerud
• Andreas Thuressoa
DEPARTMENT OF ORTHODONTICS AND PAEDODONTICS

OVERVIEW
The only Senior Lecturer returned from Sabbatical leave half way through this Academic year. The Department of Orthodontics and Child Dental health was exceptionally active this academic year. Undergraduate students were expected to present patients they had completed treatment for during the BDS Final Part III exam and graduate students completed poster presentations for the College of Health Science Annual conference. The Ghana Society of Orthodontists was also launched to facilitate the recognition of the graduate students’ training by the World Federation of Orthodontists.

COURSES
Ortho Pedo 1 to Clinical year 2 students
Ortho Pedo II, III and IV to Clinical year 3 students

STUDENTS NUMBERS
Clinical year 2 – 21 students
Clinical year 3 – 29 students

STAFFING
Academic Staff – 2
Post graduate students – 4

PRESENTATIONS
• Salifu H, Newman MA Amoah KG: Malocclusion in Ghanaian Orthodontic Patients. 8th Annual General Conference of the Ghana College of Physicians and Surgeons, Accra 2011
• Ayettey Adamafio M Newman MA Amoah KG: Assessing the differences in the number of hours worked between male and female dentists in Ghana. 8th Annual General Conference of the Ghana College of Physicians and Surgeons, Accra 2011
• Quartey AK Newman MA Amoah KG: Discontinuation of Orthodontic Treatment in Ghana. 8th Annual General Conference of the Ghana College of Physicians and Surgeons, Accra 2011

RESEARCH /PROJECTS
• Pain and Orthodontic Treatment
• Combined Quadhelix and Habit Appliance
• Orofacial Changes in Children Living with HIV
• Prevalence of musculoskeletal disorders (MSDs) amongst Dental Practitioners in Ghana.

CONFERENCES/WORKSHOPS/SEMINARS
• American Association of Orthodontists, Chicago, 2011
• Early Diagnosis of HIV by the Dental Surgeon Accra, 2012
• Annual Conference of the College of Health Science Accra, 2011
• Annual Conference of the Ghana Dental Association, Accra 2011
• Annual Conference of the Ghana College of Physicians and Surgeons Accra, 2011.

VISITORS
Dr Tita Mensah, Paediatric dentist from Jönköping, Sweden
Dr Eileen Buckle, Pediatric dentist from Atlanta, USA

BENEFACTORS
Dr Zenaida Cofie Mante- brackets and orthodontic supplies
Dr Sandy Stovall- two ultrasonic scalers, two curing lights and an amalgamator
DEPARTMENT OF ANATOMY

OVERVIEW
The Department received 177 level 200 dental/medical students, no Year 1 and five (5) Year 2 Anatomy M.Phil. students at the commencement of the academic year. The Level 200 was the fifth group of students who were doing the revised programme with higher marks required for honours; i.e. distinction (80-100%) and credit (70-79%).

In-course assessments continued to be used as “early warning signals” to identify students who were performing badly. Fifteen students scored below 50% in the first gross anatomy practical (with eight of them also obtaining less than 50% in the theory); and another fourteen students who scored below 50% in theory. These were individually counselled by the head of department. Histology practical emerged as a formidable problem for this batch of level 200 students. The first Practical histology assessment had forty-six students scoring 40-49% and additional forty-three students obtaining marks below 39%. Special remedial practical classes were held for these students in two sessions, which revealed that the lack of individual attention (owing to large class size) makes some students miss instruction given during regular classes. Twenty-nine students of them who scored the lowest marks were given individual counselling by the head of department. Three students whose problem was mainly financial were assisted with funds from the department’s welfare fund. The instituted measures combined with continued dedication of staff to result in only six referrals in Anatomy at the end of a year in which student performance was among the poorest in many years. Nonetheless, the department registered 2 distinctions and 25 credits.

For the sixth straight time in as many years the department was adjudged the Best Basic Sciences department by the University of Ghana Medical Students Association (UGMSA).

The Department sponsored one senior member and one M.Phil. graduate to attend the 4th African Nutritional Epidemiology Conference (ANEC 4) in Nairobi, Kenya from 4th – 10th October 2010. One Podium presentation was given by the M.Phil. graduate. Two (2) M.Phil. students had their results published by the University, of which one was the first to complete his programme without extension. Five (5) M.Phil. students submitted their completed thesis for examination, four of them notably completed within two years (for the second time in this department).

The department’s Income Generating Activities (IGAs), namely Hearse Service and Embalming & Related Services realized (unaudited) gross income of GH¢595,101.50 during the year. This amount represented a modest 14.5% increase over the previous years’ gross income. Expansion and improvements works on our mortuary facilities progressed but remained uncompleted as a result of a multiplicity of problems. Outstanding on account of protracted Procurement process.

Appointment of Dr. Bismarck Hottor as Lecturer in the department was confirmed after serving one year probation. Ms. Georgina Nana Aba Hammond was appointed as Research Assistant in the department.

The department paid GHS44,500.00 from our Departmental Development Fund (DDF) generated through Income Generating Activities (IGAs) to one lecturer (Mr. Kevin Adutwum-Ofosu) as top-up funding for his third year PhD training at the University of Edinburgh, Scotland. It is notable that Mr. Adutwum-Ofosu is on the University of Edinburgh Overseas Research Scholarship (ORSAS) which had a value of £10,700.00. The amount paid by the department covered the difference in Academic fees, accommodation, and minimal living stipend of £300.00 per month. The head of department was part funded from the department’s welfare fund to visit Mr. Adutwum-Ofosu in Edinburgh (June 27–July 4 2011) to interact with him and his supervisors and explore opportunities for future collaboration in staff training. The department paid GHS7,450.40 and H.O.D personally paid GHS1,215.20 to cover the travel cost.

Another lecturer (Mr. Saviour Adjenti) doing PhD training at the University of Cape Town, South Africa was financially supported by the department from our Welfare and DDF. The department paid all his travel and Academic fees as well as token stipend (USD300.00 per month) totalling GHS26,100.00.

Mr. Archibald Danquah-Amoah (a technologist who left on two-year study-leave with pay to do postgraduate Training in Tissue Engineering on full sponsorship by the Sir Ramasamy Memorial University, India) resigned his post when his request for an extension to do a PhD could not be approved because he was not eligible.
COURSES OFFERED
The Department offered courses at the B.Sc. level in areas including Medical Sciences (level 200); Medical Laboratory Sciences (Level 200), Medical Laboratory Technology (Diploma); Physiotherapy (level 200); Radiography (level 200), Nursing (Level 100), and Biomedical Engineering (Level 400). In addition the Department offered courses at the M.Phil. level in Human Anatomy; and taught in several modules of the Graduate Entry Medical Programme (GEMP).

STUDENT NUMBERS
Level 100 NURSING 75
Level 100 Pharmacy 35
Level 200 (U.G.M.S./U.G.D.S) 177
Level 200 MED. LAB. SCIENCE 65
Level 200 PHYSIOTHERAPY 40
Level 200 RADIOGRAPHY 29
Level 400 BIOMEDICAL ENGINEERING 12
GEMP – Year 1 45
GEMP Year 2 33
M.Phil. Anatomy – Year 1 0
M.Phil. Anatomy – Year 2 5
Non-Anatomy M.Phil 1
Total 517

STAFFING POSITION
The breakdown of staff at post was as follows:
2 Professors
1 Associate Professor
1 Senior Lecturer
3 Lecturers
8 Senior Staff
2 Junior Staff
13 Mortuary men
1 Mortuary Manager
1 Janitor
1 Security man
Out of the number, two Lecturers were on study leave.

RESEARCH PROJECTS
- The insulinotropic effects of ingested cocoa on metabolic response to injury in rabbits: the case of wound contraction.
- Pelvimetry in Ghanaian women of reproductive age.
- Microscopy of chest and selected facial hairs in Ghanaian males.
- Sexually dimorphic anthropometric measurements and testosterone/oestrogen ratios in young adult Ghanaians.
- Association of oestrogen-sensitive anthropometric variables of body shape with selected haematological indices in young adult Ghanaian females.
- Occurrence of Palmaris longus muscle/tendon in Ghanaian students.
- Microscopy of hairs treated with cosmetic products.

PUBLICATIONS
CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

Addai, F.K.
- 22-24/09/2010: Participant Fourth Annual Scientific Conference of the University of Ghana College of Health Sciences. Principal supervisor and co-author of one (1) podium presentation.
- 04-08/10/2010: Participant, Fourth Africa Nutritional Epidemiology Conference (ANEC). Principal Supervisor and co-author of one (1) podium presentation with Reference No. 8.018.

Adduwwm-Ofosu, K. K.
On Study-leave

Adjenti, S.K.
On study leave

Dennis, E.E.

Ahenkorth, J.

Hottor, B.A.

Blay, R.M.

EXTENSION WORK

Addai, F.K.
- Chairman Ghana Science Association (GSA), Building Committee.
- Chairman, Ghana Universities Superannuation Scheme (GUSS), Legon, Management Board.
- Consultant in charge of Private Embalming and Hearse Service Income Generating Activities, Department of Anatomy, UGMS.
- Chairman, Income Generating and Consultancy Committee (IGCC), UGMS.
- Reviewer, Journal of (Kwame Nkrumah) University of Science and Technology.
- Postgraduate External Examiner, Department of Applied and Theoretical Biology, School of Biological Sciences, KNUST.
- Postgraduate External Examiner, Department of Molecular Medicine, School of Medical Sciences, KNUST.

Lawson, A.L.
- Editor of the West African Journal of Anatomy (WAJA).
- Examiner, Postgraduate (Part I) Examinations of the West African College of Surgeons.
- Examiner, Postgraduate (Part I) Examination of the Ghana College of Surgeons and Physicians.

Dennis, E.E.
- Part-Time Lecturer, Level 200 Functional Histology, Medical Laboratory Technology Course, School of Allied Health Sciences (SAHS), Korle-Bu.
Ayettey, A.S.
- Reverend Minister in charge, Faith Presbyterian Church, Shiashie, Accra.
- Vice-Chairman, Board of Directors, World Vision International (WVI).
- Chairman, Board of Management, Korle-Bu Teaching Hospital.

Ahenkorah J.
- Instructor, Level 200 General Anatomy, B.Sc. Physiotherapy, B.Sc. Radiography, and B.Sc. Medical Laboratory Technology Courses, School of Allied Health Sciences (SAHS), Korle-Bu.
- Instructor, Level 100 General Anatomy, B.Sc. Nursing, School of Nursing, University of Ghana, Legon.

Hottor B.A.
- Instructor, Level 100 General Anatomy, B.Sc. Nursing, School of Nursing, University of Ghana, Legon.
- Instructor, Level 200 General Anatomy, B.Sc. Physiotherapy, B.Sc. Radiography, and B.Sc. Medical Laboratory Technology Courses, School of Allied Health Sciences (SAHS), Korle-Bu.

Blay, R.M.
- Instructor, Level 200 General Anatomy, B.Sc. Physiotherapy, B.Sc. Radiography, and B.Sc. Medical Laboratory Technology Courses, School of Allied Health Sciences (SAHS), Korle-Bu.
- Instructor, Level 100 General Anatomy, B.Sc. Nursing, School of Nursing, University of Ghana, Legon.

CENTRE FOR TROPICAL CLINICAL PHARMACOLOGY THERAPEUTICS

OVERVIEW
The Centre for Tropical Clinical Pharmacology & Therapeutics (CTCPT) is a clinical, teaching and research department in the University of Ghana Medical School (UGMS). The Centre has an interest in pharmacogenetics, pharmacovigilance, pharmacoepidemiology, pharmacokinetics, communication in healthcare, crisis preparedness and management, intermittent preventive treatment of malaria in pregnant women (IPTp) and in infants (IPTi), and clinical trials. It carries out studies on drugs used in tropical diseases including malaria and onchocerciasis and is involved in research on interventions to improve the rational use of drugs.

In October 2009, the Centre was designated the WHO Collaborating Centre for Advocacy and Training in Pharmacovigilance reflecting its expertise in drug and vaccine safety monitoring. The CTCPT collaborates with several local and international organisations including the World Health Organisation (WHO), the United Nations Children’s Fund (UNICEF), Family Health International, the National Institutes of Health (USA), the International Society of Pharmacovigilance (ISoP) and the International Network for the Rational Use of Drugs (INRUD). Academic staff of the Centre are facilitators on several local and foreign courses and some are also involved in providing technical assistance to the Ministry of Health in developing, editing and promoting the Standard Treatment Guidelines and Essential Medicines List of the Ministry of Health.

STAFFING

<table>
<thead>
<tr>
<th>Position</th>
<th>Number</th>
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<tbody>
<tr>
<td>Academic Staff</td>
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<tr>
<td>Senior Staff</td>
<td>6</td>
</tr>
<tr>
<td>Junior Staff</td>
<td>1</td>
</tr>
</tbody>
</table>

TEACHING
Senior Members at the Centre teach on the integrated course in Medicine, Surgery and Community Health at the UGMS, the basic course in pharmacology at UGMS, the Graduate Entry Medicine Preogramme (GEMP) at UGMS and the MSc in Clinical Trials at the School of Public Health. They are also involved in delivering lectures in some modules of the Fellowship programme at the Ghana College of Physicians and Surgeons.

Alexander Nii Oto Dodoo

Area of Research
Pharmacovigilance, Drug Safety, Drug Effectiveness, Pharmacogenetics, Vaccine Safety, Risk and Crises Communication, Global Public Health

Publications

**Conferences and Workshops Attended**
• 4th -7th December 2011, Philadelphia, PA, USA. 60th Meeting of the American Society of Tropical Medicine and Hygiene.
• 24th November 2011, Geneva, Switzerland. Meeting of the Access and Delivery Advisory Committee of the Medicines for Malaria Venture (MMV).
• 21-23rd November 2011, Kiev, Ukraine. Cohort Event Monitoring of antiretrovirals training course.
• 14-18th November 2011, Antalya, Turkey. 3rd International Conference on Improving the Use of Medicines (ICIUM 2011).
• 30th October 2011 – 2nd November 2011. Dubrovnik, Croatia. 34th Annual Meeting of Representatives of the National Centres Participating in the WHO Programme for International Drug Monitoring
• 4th – 5th October 2011, Geneva, Switzerland, UNITAID Consultative Meeting.
• 27th – 29th September 2011, Geneva Switzerland. Global Vaccine Safety Blueprint Stakeholders Meeting
• 3-8 September 2011, Hyderabad, India. 71st World Congress of Pharmacists and Pharmaceutical Scientists.
• 18th July 2011, Rome, Italy. ARV Pharmacovigilance Project Advisory Group Meeting
• 6th – 8th July 2011, London, UK. Vaccine Blueprint Collaborative Group Retreat
• 28th June 2011, Mumbai, India. Pharmacovigilance Asia symposium in India.
• 11th – 18th June 2011, Mombasa, Kenya. FP7 training on Cohort Event Monitoring for antimalarials and antiretrovirals.
• 1st – 3rd June 2011, Dar es Salaam, Tanzania, MMV Stakeholders meeting.
• 31st March 2011 – 1st April 2011. Geneva Switzerland. 8th Meeting of the WHO Advisory Committee on the Safety of Medicinal Products (ACSoMP).
• 14th – 23rd March 2011, Port Louis, Mauritius. WHO Consultant for the establishment of a Pharmacovigilance System in Mauritius.
• 07-08 March 2011, Rabat, Morocco. FP7 (Monitoring Medicines) General Assembly
• 16th – 18th February 2011, Dar es Salaam, Tanzania. INESS Data Analysis Workshop.

**George Obeng Adjei**

**Area(s) of research**
• Clinical trials and population pharmacokinetics of antimalarials and other drugs in children with chronic disease(s) of significance in Ghana
• Paediatric clinical pharmacology and ethics of clinical research in children

**Publications**
**Conferences attended**

- 13th Biennial Congress of the European Society for Developmental, Perinatal and Paediatric Pharmacology, Oslo, Norway, 15-17/06/2011
- 5th Annual Scientific Conference of the College of Health Sciences, University of Ghana, GIMPA, Accra, 28-30 September, 2011
- Haematology Update Course on Coagulation Disorders and Investigation of Anaemia, GMA House, Accra, Ghana, 24/11/2011

**Workshops attended**

- Adaptation Workshop: WHO Pocket Book of Hospital Care for Children, Errata Hotel, Accra, 27-29/04/2011
- Consensus Meeting and Workshop on the Statistical Analysis and Reporting of Studies on Antimalarial Pharmacokinetics and Pharmacodynamics, Cape Town, South Africa, 17-20/10/2011
- Workshop on Good Clinical Practice, Food and Drugs Board, Accra, Ghana, 28-30/03/2011,

**Teaching and other service(s)**

- Pharmacology (Level 300, PHAM 302 course; GEMP 306; and 309 Modules), University of Ghana Medical School, College of Health Sciences
- Clinical Pharmacology component, Coordinated Course in Medicine and Surgery (MB.ChB, Class of 2013), University of Ghana Medical School, College of Health Sciences
- MSc. Clinical Trials Program, School of Public Health, College of Health Sciences
- Journal Reviewer

Member, National Steering Committee on “Better Medicines for Children” Proje

**Neils Ben Quashie**

**Area of Research**

Monitoring of Antimalarial drug resistant malaria in Ghana

**Publications**


**Conferences and Workshops attended**

- Sixtieth annual meeting of the Americans Society for Tropical Medicine and Hygiene. Philadelphia, USA,
- Second annual meeting of WANETAM. Dakar, Senegal
- Meeting of the Malaria Group of WANETAM to development a proposal in lieu of an F11 call for proposal submission. Bamako, Mali
- Gordon Research Conference; Mechanism of MembraneTransport. Maine, USA
- Workshop on Good Clinical and Laboratory Practice. Ougadougou, Burkina-Faso
- Workshop on Proposal Writing. Dakar, Senegal
- Workshop on Good Clinical Practice and Data Management. Bamako, Mali

**Other Services**

- Member of the University of Ghana Acadamic Board
- Supervision of Mphil students of the University of Ghana

**William Kudzi**

**Areas of Research**

Pharmacogenetics: Identification of individual genetic differences (polymorphisms) in drug absorption, metabolism, distribution and excretion which can affect the usefulness or efficacy of a particular drug
Publications

• Roederer M.W., Sanchez-Giron F., Kusha K., Kudzi W., Mcleod H.L., Zhang W., & on behalf of the Pharmacogenetics for Every Nation Initiative. Pharmacogenetics and rational drug use around the world. Pharmacogenomics (2011) 12(6) 897-905

Other Services

• Member, Board of Ghana Medical School
• Member, Income Generating and Consultancy

Conferences Attended (2011)


Edmund Nartey
Publications - None
Conferences/Workshops attended

• Analysis of census and survey data for social science research using STATA software, University of Cape Coast, 11th -20th July 2011.
• Faculty development workshop on enhancing Problem-Based Learning (PBL) method of teaching and Self Directed Learning (SDL)/Facilitation, 14th June 2011, University of Ghana.

DEPARTMENT OF CHEMICAL PATHOLOGY

OVERVIEW

The Department of Chemical Pathology is a Paraclinical department of the University of Ghana Medical School with a primary responsibility of preparing pre-clinical students for clinical work. Students are admitted from the Basic Sciences Departments to study Chemical Pathology and other subject areas in the paraclinical departments after which they obtain BSc. in Medical Sciences and subsequently proceed to the Clinical Departments. The Department also trains graduate students and resident doctors for Master of Philosophy (M.Phil) programmes and membership fellowship programmes of the Ghana/West African College of Physicians and Surgeons respectively. Other Schools and institutions to which the department contributes significantly in teaching include the University of Ghana School of Pharmacy and Allied Health Sciences. In the area of service delivery, the department provides both administrative and technical support to the Chemical Pathology Unit of the Korle-Bu Teaching Hospital and the Central Laboratory.

STAFFING

Academic Staff - 5
Senior Staff - 4
Junior Staff - 3

STUDENTS/COURSES

Level 300 Medical Sciences & Dental - 176
BSC (Allied Health Sciences)
Level 200 - 62
Level 300 - 56
Level 400 - 7
Primaries (Ghana College of Physicians & Surgeons) - Variable
Primaries (West African College of Physician) - Variable
Postgraduate – MPhil - 9
GEMP Students - 48
RESEARCH
The Department is currently either involved in or about starting research in the following areas:

• Adipokines and incident of metabolic syndrome obesity among women in the Greater Accra Region of Ghana
• Adipokines in Sickle cell patients in the Ghanaian population
• Hypogonadism in Ghanaian Men with Type 2 Diabetes.
• Lipid Profile of Women with Gestational Diabetes Mellitus in Accra
• Molecular Gene Effect of Oxidative Stress in Complicated and malaria infection
• Antidiabetics properties of Avocado pear seed extract
• The Effect of Tobacco Smoking on Male Fertility
• Biochemical Profiles of patients with head injuries

ACCREDITATION
The Department is accredited as a teaching centre for postgraduate doctors of the West African College of Physicians and Surgeons.

EXTENSION WORK/SERVICE
The Department of Chemical Pathology is heavily involved in the provision of service to the Korle-Bu Teaching Hospital. The Department provides administrative and technical leadership to the Chemical Pathology Unit of the Central Laboratory of the Korle-Bu Teaching Hospital.

The Department in collaboration with the Department of Medicine runs clinics on metabolic and endocrine diseases.

CONFERENCE/WORKSHOPS

• All Senior members of the Department fully participated in the 4rd Annual Scientific Conference of the College of Health Sciences, September, 2011
• Participation and presentation at the 10th annual Conference of Team-Based learning Collaborative; Las Vegas USA, March 2011.
• Participation in the Oxford Health Alliance meeting on Non-communicable Diseases. Oxford UK, April 2011
• Mr. Seth Amanquah served on the accreditation Committee which reviewed syllabia and related documents for Medical Laboratory on behalf of National accreditation Board. The review considered documents from Kings Nursing and Allied Health College and Narh Bita College’s department of Medical Laboratory Technology.

PUBLICATIONS

• Oppong S. Y. and Larweh B (2011) Comparison of Team-Based and Traditional Tutorial System. Conference Abstracts of Team-Based Learning Collaborative. Las Vegas. USA
DEPARTMENT OF CHILD HEALTH

OVERVIEW
The Department of Child Health has 6 clinical units namely 3 general wards, the Emergency ward, the Neonatal Intensive Care unit and the Outpatients Department.

We had 9 full time senior members for this academic year.

We continued to use the services of 3 part-time senior teachers. We also used the services of some senior residents who have been appointed part time clinical tutors. 4 other clinical tutors (part-time) taught students in the “out stations” ie 37 Military Hospital and PML Hospital.

The Department took small groups of students to the skills centre for teaching.

COURSES
MB ChB Final Part 1

STUDENT NUMBERS
Junior Clerkship - 178
Senior Clerkship - 178
Postgraduates - 35

STAFFING POSITION
Academic
Professor (on contract) - 1
Associate Professors - 3
Senior Lecturer - 1
Lecturers - 3
Clinical Tutor - 1
Part Time Lecturers - (In house) 3
Part Time Lecturers - (outside faculty) 4
Senior staff - 2
Junior staff - 5

All Senior Members did clinical duties for Korle Bu Teaching Hospital
Senior Members also continued to offer extension service to Ministry of Health, Ghana Health Service, WHO, UNICEF among others.

PUBLICATIONS


Lorna Renner, Musie Ghebremichael, Bamena Goka, Margaret Larrey, Awewura Kwara, Elijah Paintsil Predictors of trends were similar for absolute and percentage CD4+ T-lymphocytes in HIV-infected children in Ghana Journal of Paediatric Infectious Diseases, Vol. 6 (1), May 2011


CONFERENCES & WORKSHOPS
All Senior Members attended the following:

• Fourth Annual Scientific Conference, College of Health Sciences, University of Ghana Theme: University of Ghana. September 2009.
• 7th Annual General and Scientific Meeting, Ghana College of Physicians and Surgeons. December 2009
• Facilitators at Update and Revision Courses organized for the College of Physicians and Surgeons/ West African College of Physicians in February 2010 and July 2010.

Prof Onike Rodrigues
• West African College of Physicians Annual General and Scientific Meeting, Freetown, Sierra Leone, November 2010.

Prof Jennifer Welbeck
• Faculty Development Workshop, University of Ghana Medical School/Tufts University School of Medicine, 13th -15th October 2010. Hotel Cisneros, Sogakope, Ghana
• AGSM Paediatric Society of Ghana, Cape Coast - June 2011

Prof Bamenla Goka
• Invited Plenary speaker, Handling Medicines for Children in Africa, International Paediatric Association Congress, Johannesburg. 2nd -5th August 2010
• Faculty Development Workshop, University of Ghana Medical School/Tufts University School of Medicine, 13th -15th October 2010, Hotel Cisneros, Sogakope, Ghana
• Seminar: Providing Effective Antiretroviral Treatment Response and Safeguarding Future Options. National AIDS Control Programme & St. Stephen’s Trust, UK., 10th December, 2010, La Palm Beach Hotel, Accra, Ghana
• Workshop for Harmonisation of Curricula for WACP and GCPS, Accra, 2011

Dr Lorna Renner
Faculty Development Workshop. University of Ghana Medical School/Tufts University School of Medicine, 13th -15th October 2010, Hotel Cisneros, Sogakope, Ghana
Providing Effective Antiretroviral Treatment Response and Safeguarding Future Options. National AIDS Control Programme & St. Stephen’s Trust, UK., 10th December, 2010, La Palm Beach Hotel, Accra, Ghana

Dr E. V. Badoe
• Facilitator – ‘Headaches in Children”. Organized by the West African College of Surgeons, GMA House, June 2011
• Guest lecture ‘ Gastro- oesophageal Reflux in Children” at the Launch of Nexium by Astra Zenica, La Palm Hotel, June, 2011
• Keynote speaker. ‘the face of autism in Ghana”. International Autism Conference Policies and Practices, 7th April, 2011 , Accra
• Update course on 13 valent Pneumococcal vaccine and clinical trials. Organized by Pfizer pharmaceuticals. Four seasons Hotel, Lagos , Nigeria, March, 2011
• Facilitator ‘enuresis in children’. Paediatric Nephrology course. organized by the Ghana College of Physicians, February, 2011
• Facilitator ‘recognizing child abuse’. Korle Bu Hospital CME for residents/ House officers, Korle Bu February , 2011

YEAR 2010
• Poster presentation. “comfort and knowledge about child abuse among clinicians in Ghana”. Legano L.A, Banan L, Badoe EV. International Conference on Communication in Healthcare(ICCH), Miami, Florida, USA. October, 2010
• Facilitator. “Discovery of fetal alcohol syndrome in Ghana. The importance of client data collection”. Scientific session of the Society of Ghana Women Medical and Dental Practitioners, October, 2010

Dr Catherine Segbefia
• American Society of Paediatric Haematology/Oncology Annual Meeting in Baltimore, U.S.A (April 2011)
• Facilitator at Paediatric Oncology Workshops held at the Department of Child Health, KBTH - April 2011 and November 2010.
• Facilitator, Palliative Care Workshop, KBTH, Accra - January 2011

RESEARCH/PROJECTS ONGOING
• Rotavirus Surveillance - On going
• HiB Surveillance - On going
• Paediatric Photo Atlas - On going
DEPARTMENT OF COMMUNITY HEALTH

OVERVIEW
The Department of community health participated in the training of medical students, research activities and in the provision of clinical and technical services during the academic year. The Department run the undergraduate programmes as well as the newly established Graduate Entry Medical Programme (GEMP). The Department also supported the Post graduate programme of West African Postgraduate College. Staff members were involved in some international and local research activities. The department provided clinical service at the Medical School Clinic and members provided technical services to the Ministry of Health, Ghana Health Service as well as other national bodies.

COURSES AND NUMBER OF STUDENTS

<table>
<thead>
<tr>
<th>COURSES</th>
<th>TITLE</th>
<th>NUMBER OF STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 500</td>
<td>Junior clerkship and MB III</td>
<td>145</td>
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<tr>
<td></td>
<td>Co-ordinated course in Medicine and Surgery</td>
<td>175</td>
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<tr>
<td>Level 700</td>
<td>Senior clerkship in Community Health</td>
<td>199</td>
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<tr>
<td>GEMP</td>
<td>Modules 407 and 409</td>
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<tr>
<td>Part I</td>
<td>West African College of Physician (WACP)</td>
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<tr>
<td>Part II</td>
<td>West African College of Physician (WACP)</td>
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<tr>
<td>SPH601</td>
<td>Biostatistics and Research Methods</td>
<td>24</td>
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</tbody>
</table>

Current Members of the Department of Community Health
The staffing situation for senior members has improved to some extent. There were there young senior members in addition to three post retirement senior members. Appointment process for two other senior members was initiated during the period and staff may join the Department soon. Four senior staff members were also added to the establishment and they have providing valuable support (2 Senior Research Assistants, an Administrative Assistant and one Principal Research Assistant). Four part-time senior members also provided support during the period. In addition, three senior residents of the Department undergoing training for the Fellowship of the West African Post graduate College provided support to the activities of the Department. There was one National Service staff member.

STAFFING
Senior Members - 3
Staff On Contract - 2
Staff On Part-Time - 3
Department Of Family Medicine - 2

Field Stations
Eight additional health facilities were added to the list for the training of the students making a total of 19 District/Municipal Hospitals and Nine Polyclinics. These included, La, Weija, Princess Marie Louise (PML), Dansoman, Worawora Hospital, Hohoe Hospital, Nzawam Hospital and Tetteh Quarshie Memorial Hospital.

Availability of vehicles for the department will enable regular supervision of students in these district centres. It will also assist staff to provide clinic support services to the Danfa Health Centre and send students to the various Polyclinics which are too far apart. The time to drop the last set of students to a polyclinic is often close to the end of day’s activities.

RESEARCH ACTIVITIES
R. B. Biritwum
• Study on Ageing and Adult Health Sponsored by World Health Organization
• Prostate Cancer Research

Dr. Emilia Udofia
• Birth and Emergency Preparedness: Practice and Outcomes among Women attending the Postnatal Clinic at Korle-Bu Teaching Hospital
• Air pollution and Birth weight patterns in Two Neighbourhoods in Accra, Ghana

Dr. Akye Essuman, Lecturer in Family Medicine,
• Views of key stakeholders in Sub-Saharan Africa on Family Medicine.
R. B. Biritwum  


Dr. Emilia Udofia  


WORKSHOPS/CONFERENCES/SUMMITS ATTENDED  

R. B. Biritwum  

- Newhints DMEC meeting and workshop: London School of Hygiene & Tropical Medicine. London (24-27th May 2011)

- The 20th Local Annual General and Scientific Meeting of the West African College Of Physicians (Ghana Chapter) at the Sunlodge Hotel, Accra on 26th August 2011.

- The 35th AGSM of the West African College of Physicians in The Gambia from 6th-11th, November at the Kairaba Beach Hotel.

Dr. Emilia Udofia  

- Unilever Health Summit: Towards a Healthier Nation organized by Unilever Ghana: 6th April, 2011; Accra, Ghana

- Health Summit: Going beyond Strategy to Action – Accelerating Activities towards Meeting the Millenium Development Goals organized by the Ministry of Health; 11th – 15th April, 2011; Accra, Ghana

- Faculty Development Workshop on Case Centred/Team Based Learning organized by the College of Health Sciences, University of Ghana Medical School, Accra, Ghana; 18th -19th May, 2011; Accra, Ghana

- Faculty Development Workshop on Enhancing Problem Based Learning Method of Teaching and Self Directed Learning/Facilitation organized by the College of Health Sciences, University of Ghana Medical School, Accra, Ghana;17th June, 2011; Accra, Ghana

- Fifth Annual Scientific Conference: The Increasing Burden of Non-Communicable Diseases in Ghana organized by the College of Health Sciences, University of Ghana; 21st -23rd September, 2011; Accra, Ghana

- National Symposium (Southern Sector):The Environment and Health organized by the Ghana Medical Association; 7th October, 2011; Accra, Ghana

- Seminar on Current Management of Sexually Transmitted Infections organized by the National AIDS/STI Control Programme; 1st December, 2011; Accra, Ghana

- Faculty Development Workshop: Statistics for Quantitative and Qualitative Research (A hands on practical use of SPSS) organized by University of Ghana-Brown University Academic Partnership to Address HIV/AIDS; 23rd November, 2011; Accra, Ghana

Dr. Alfred Yawson  

A four-month post-doctoral fellowship training at the University of Michigan School of Public Health from January 2011- May 2011.

- An African Social Research Initiative (ASRI), University of Michigan, University of Ghana and University of Cape Coast collaborative program. A STATA Workshop organized at the Cape Coast University (11-20th July, 2011).

- The ASRI Conference in Accra, at Alisa Hotel, on 22nd July 2011

- The 20th Local Annual General and Scientific Meeting of the West African College Of Physicians (Ghana Chapter) at the Sunlodge Hotel, Accra on 26th August 2011.
• The 35th AGSM of the West African College of Physicians in The Gambia from 6th-11th, November at the Kairaba Beach Hotel.
• Ghana Medical nd Dental Council accredited continuous professional development (CPD) seminars for doctors for the year 2011 by the National AIDS/STI Control Programme.

Dr. Rosemary Richardson
• The 20th Local Annual General and Scientific Meeting of the West African College Of Physicians (Ghana Chapter) at the Sunlodge Hotel, Accra on 26th August 2011.

Dr. Akye Essuman:
• The Ghana College of Physicians and Surgeons, (GCPS) i collaboration the the Yale University School of Medicine (two-month programme , Yale University from 6th June 2011 to the 5th of August, 2011.

Dr. Akye Essuman, Lecturer in Family Medicine,
• Trainer-of-Trainers Workshop. Faculty of Family Medicine, WACP, Ibadan, Nigeria. March 25th, 2011. Presentation on ‘Giving Feedback to Trainees’.
• Summer research programme. Yale University, New Haven, Connecticut, USA. 6th June – 5th August 2011. Sponsored by the Ghana College of Physicians and Surgeons (GCPS) and the International Training Centre for Global Infectious Disease Research (ITC-GIDR) of Yale University School of Medicine.

CONFERENCES & WORKSHOPS ATTENDED:
Dr. Henry Lawson
• Doctors as Educators Workshop on New teaching Methods, Royal College of Physicians of London/WACP, Ibadan, Nigeria. October 6 – 9, 2010.
• Faculty Development Workshop by Tufts University and UGMS, Sogakope. 12-15 October, 2010.
• WACP 34th AGSM, ‘Global Warming and Climate Change’, Freetown, Sierra Leone. 7-11th November 2010.
• Workshop Coordinator, Family Medicine Update Course on “The Family Physician and Primary Health Care: the WHO model” jointly organized by the Ghana College of Physicians and surgeons and West African College of Physicians. 22 & 23 June, 2011
• Local Annual General and Scientific Meeting of West African College of Physicians, Sunlodge Hotel, Accra. August 26, 2011
• OSCE WORKSHOP, Faculty Development Workshop of the Faculty of Family Medicine, Ghana College of Physicians and Surgeons.
• Train the trainers Workshop, West African college of Physicians, Faculty of Family Medicine. Ibadan, Nigeria. March 25, 2011.
• Doctors as Educators Facilitators workshop by Royal College of Physicians of London/WACP in Ibadan, Nigeria. Developed a Workshop suitable for African Doctors who are training physicians. April, 2011
• Primafamed-VLIR workshop on “Advocacy in Family Medicine and Development of Community Oriented Care in the context of Family Medicine in sub Saharan Africa” at Fountains Hotel, Cape Town, South Africa 10-13 July 2011.
• Sleep abnormalities in Primary Care. Lecture organized by Society of Private Medical and Dental Practitioners. Accra. 11 September 2011.

Dr. Edem Tette
• Unilever Health Summit: Towards a Healthier Nation organized by Unilever Ghana: 6th April, 2011; Accra, Ghana.
• Faculty Development Workshop on Case Centred/Team Based Learning organized by the College of Health Sciences, University of Ghana Medical School, Accra, Ghana; 18th -19th May, 2011; Accra, Ghana
• Annual General and Scientific Meeting, Ghana College of Physicians, Accra, 7-9th December 2011
• The 20th Local Annual General and Scientific Meeting of the West African College Of Physicians (Ghana Chapter) at the Sunlodge Hotel, Accra on 26th August 2011.
• 5th Annual Scientific Conference, College of Health Sciences, University of Ghana. Accra 21st – 23rd September 2011.
• Medical Knowledge Fiesta 2011. Ghana College of Physicians Ridge 1-5 August 2011
• Update course on Infectious Diseases Ghana College of Physicians Ridge 27th -29th June 2011

BENEFACIONS
Family Health International: Accra Office: With provision of Scanner, computer printers and five computers. The team was led by Dr. Peter Lamptey an alumnus.

VISITORS
Dr. Peter Lamptey of Family Health International, Prof. Allan Hill of Accra Women’s Health Study and WHO, consultants on Immunization from Geneva.

CONCLUSION
The Department has been able to discharge its responsibilities with the help of many tutors, part-time lectures and field supervisors. There is a need to actively support staff Development to improve the participation in research activities. The Danfa field station has a sizable unused land and it is suggested that this should be developed for post-graduate accommodation with conference hall and lecture facilities. Longitudinal research activities will be promoted if the Medical School facilities were rehabilitated and developed.

CHALLENGES
Departmental Vehicle(s) urgently required to aid programmes. For Community Health Department, the equivalent of ‘ward’ in terms of where patients are found is the ‘field station’ where the normal community can be found both at work and at home. Transportation is therefore very crucial. Field station accommodation for students and staff will also be needed. The Department was unable to introduce the MPhil programme on Community Health and it is hoped the project will be considered during the main curriculum review exercises planned for early next academic year.

DEPARTMENT OF HAEMATOLOGY

OVERVIEW
The Department teaches courses for undergraduate Medical, Dental and Medical Laboratory Technology students as well as postgraduate courses for MPhil students in Haematology and Dietetics.

We also offer specialist postgraduate courses for the West African Postgraduate Medical College and Ghana College of Physicians and Surgeons. Extension service to Korle-Bu Teaching Hospital and Centre for Clinical Genetics in the form of clinical and laboratory services continued by all faculty.
1 MPhil candidate and one resident completed their programmes. The department continued rolling out its programme as a Delphi tripartite partner having won together with Hospital in Malawi and the Royal College of Pathologists in the UK.

STUDENTS NUMBERS

<table>
<thead>
<tr>
<th>Undergraduate Courses</th>
<th>No. of Students</th>
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<tbody>
<tr>
<td>Level 300 (U.G.M.S)</td>
<td>177</td>
</tr>
<tr>
<td>Level 200 (BSc. MLAB)</td>
<td>50</td>
</tr>
<tr>
<td>Level 300 (BSc. MLAB)</td>
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</tr>
<tr>
<td>Level 400 (BSc. MLAB)</td>
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<td>GEMP 1st Year</td>
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<tr>
<td>GEMP 2nd Year</td>
<td>32</td>
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</tbody>
</table>

POSTGRADUATE COURSES

Level 600 MPhil Haematology - 5

STAFFING

Academic Staff - 5
Senior Staff - 4
Junior Staff - 3

PROFESSIONAL

Ghana College of Physicians and Surgeons (Lab Med.) Haematology - 5

PUBLICATIONS/PAPERS PRESENTED

Dr. Ivy Ekem

Dr. E. Olayemi
- Olayemi E. Mentoring in the Residency Training Programme at Korle Bu Teaching Hospital, Accra, Ghana. (MSc Dissertation, Cardiff University, In View) July, 2011.

PAPERS PRESENTED

Dr. E. Olayemi
- Portfolio Based Learning and Assessment. Scientific meeting of the Ghana Chapter of West African College of Physicians, 30th September 2011.
- Audit of Laboratory Requests. Haematology Update Course, 24th November 2011.

Prof Ankra-Badu
- Presented a case of T-cell cutaneous Lymphoma, Karolinska University Hospital, Stockholm, Sweden.
- Leukaemia, Lymphoma and Myeloma in Ghana, Ghana College of Physicians and Surgeons, Accra.

Dr. Ivy Ekem
- Management of patients with haemophilia in Ghana
- 7th January 2011 and 1st November 2011 at KBTH, Kumasi
- 20th April 2011 at Children’s Hospital, Philadelphia, USA
- 31st October 2011 at KBTH, Accra.
• Management of patients with sickle cell disease
• 14th April 2011 – Tamale
• 28th July 2011 – Accra as part of UGMS 86 lecture series.
• Pathophysiology and epidemiology of sickle cell disease. Ghana College, Accra – 13th April 2011.
• Second Annual Haematology Update “Coagulation disorders and investigation of anaemia” 24th November 2011, Organizer and Speaker.

RESEARCH PROJECTS/ACTIVITIES
Dr. E. Olayemi
• Tumour lysis syndrome in patients with haematological malignancies.

Prof. J. K. Acquaye
• Lectured on History of Medical Ethics at 2 days ethics course organized by West African College of Physicians
• Organised 2 Trainers of Trainers course for Examiners of West African College of Physicians
• Examiner for West African College of Physicians and Ghana College of Physicians and Surgeons.
• Supervised project work of Dr. Yvonne Dei-Adomakoh and Dr. Amma Benneh for the Fellowship of the West African College of Physicians.
• Taught in Haematology Update course organized by Dept of Haematology.
• Members, Review board of MSc course in Medical Education, University of Ibadan.

Dr. Ivy Ekem
• Vitamin C in Sickle Cell Disease. In collaboration with Department of Nutrition and Food Science.

MEMBERSHIP OF NATIONAL AND INTERNATIONAL COMMITTEES
Rev. Fr. Prof. G. A. Ankra-Badu
• Member, Ghana Health Service Council and Chairman, Audit Sub-Committee
• Member, National Cancer Control Steering Committee and Convener, Haematological cancers sub-committee.
• Member, Ministry of Health Expert Committee to draft Strategic Documents for the control of Sickle Cell Disease in Ghana.
• Chairman, Board of Education, Anglican Diocese of Accra.
• Chairman, Ethical Review Committee, Ghana Atomic Energy Commission, Kwabenya.

EXTENSION ACTIVITIES
Rev. Fr. Prof G. A. Ankra-Badu
• Visiting Professor, School of Medical Sciences, Cape Coast University.
• Chief Examiner, Ghana College of Physicians and Surgeons
• Internal Examiner, MPhil Candidates, Department of Medical Biochemistry, UGMS
• External Examiner, PhD candidate, Department of Medical Biochemistry, KNUST

Dr. E. Olayemi
• Facilitator Supervisor for the diploma in project design and management (an external programme of the University of Liverpool).

AWARDS
• Obtained an MSc in medical education from Cardiff University, Wales, July, 2011.
• Elected fellow of the Ghana College of Physicians, Faculty of Laboratory Medicine.

CONFERENCES/WORKSHOPS/SEMINARS ATTENDED
REV. Fr. Prof. G. A. Ankra-Badu
• Lyfe symposium – A forum of experts on Lymphoma, Karolinska University Hospital, Stockholm, Sweden. October 19-20, 2009.
• Sickle Cell Achievers Conference, International Conference Centre Accra -19th July 2010.
• SHIELD Conference on Health Research in Africa, La Palm Beach Hotel, Accra 3rd August 2010. Represented Chairman, Ghana Health Service Council.
• Cancer in Africa; Prevention, Treatment and Cure Conference organised by Emofra Africa at Ghana College of Physicians and Surgeons, Accra – 31st August 2010.

Prof. J. K. Acquaye
• Annual General and Scientific meeting of the West African College of Physicians Nov. 2010.
• Annual General and Scientific meeting of the Ghana College of Physicians and Surgeons.
• Annual Scientific Conference of the College of Health Sciences, University of Ghana.

Dr. E. Olayemi
• Haematology Update Course, November 24th 2011.

Dr. Ivy Ekem
• College of Health Sciences AGSM 21st – 23rd September 2011, Accra.
• West African College of Physicians AGSM 26th August 2011, Accra
• Workshop on the harmonization of the training curricula of the Anglophone Postgraduate College, Accra 20th – 22nd June 2011.
• Ghana National Drugs Programme Experts meeting – 28th November 2011.

VISITORS
• Prof. Andrew Paul Jewell and Dr. Kwee L. Yong (Delphe Visiting Lecturers), 13th -26th February 2011.
• Ms. Dorothy Kasibante (Delphe Visiting Lecturer), 9th – 27th May 2011.
• Ms. Simone McLaughlin (Delphe Visiting Lecturer), 9th – 27th May 2011.
• Mr. David Rowlands (Delphe Visiting Lecturer), 8th – 26th August 2011.
• Dr. Isaac Wilson Morkeh (Delphe Visiting Lecturer), 7th – 25th November 2011.
• Twinning Team of the World Federation of Haemophilia (Korle-Bu Teaching Hospital and The Children’s Hospital of Philadelphia), 31st October 2011.

DONATIONS:
• Rev. & Mrs. Peter Kodjo donated amount of GH¢1,218.10 to support treatment of needy patients – 27th September 2011
• Nicole Levine donated Twenty-Eight (28) Books in Memory of her Husband David Swirsky – a renowned Haematologist to the Department (September 2011)

DEPARTMENT OF MEDICAL BIOCHEMISTRY

OVERVIEW
In the year under review, the Department of Medical Biochemistry invigorated its research activities. We have two new graduate students joining the department. We continued to collaborate in Teaching and Research with the clinical Departments and with other institutions of the College of Health Sciences. All the members of staff worked assiduously to make the year one of the most successful for the Department. The department also assisted in the research activities of undergraduate students from the Dental School and School of Allied Health.

COURSES OFFERED
The Department offered courses at the BSc. (Medical Science) and MPhil levels in such areas as Molecular Cell Biology, Intermediary Metabolism, Signal Transduction and Human/Medical Genetics.
STUDENT NUMBERS
Level 200 (Medical and Dental Schools)  177
Postgraduate (MPhil) & PhD  7
GEMP  47
Level 100 Pharmacy Students  35
Total  266

STAFFING POSITION
The breakdown of staff at post was:
1  Full Professor
1  Associate Professors
1  Senior Lecturer
2  Lecturers
1  Assistant Lecturer
2  Teaching Assistance
2  Senior Technical Staff
2  Junior Technical Staff
1  Senior Administrative Staff
1  Junior Staff

RESEARCH IN THE DEPARTMENT
Prof. Asante-Poku S.
• Messenger RNA varients in Breast cancers in Ghana.
• Medium-chain acyl-CoA dehydrogenase deficiency in Ghana

Aryee N.A.
• Paraoxonase-1 (pon1) gene polymorphism and enzyme activity in type 2 diabetes

Dzudzor B.
• Analysis of R1N1 gene expression in Head and Neck cancer at Korle-Bu Teaching Hospital.
• Correlation of NF1 mutations to the severity of neurofibromatosis type1 at Korle-Bu Teaching Hospital.
• CYP2C9, VKORC1 and CYP4F2 variants frequencies in patients on both low and high stable warfarin maintenance dose in indigenous Ghanaian population.

CONFERENCES/SEMINARS/WORKSHOPS
Dr. S.Y. Oppong
• April 2011. Faculty Development Workshop, UG, Legon.
• September 2011. Workshop on Teaching and Learning Methodologies, Legon
• 5th Annual Scientific Conference, UGMS, College of Health Sciences.

Prof. S. Asante-Poku
• September 2011. Workshop on Teaching and Learning Methodologies, Legon
• 5th Annual Scientific Conference, UGMS, College of Health Sciences.

Dr. Nii Ayite Aryee
• April 2011. Faculty Development Workshop, UG, Legon.
• August 2011. Maternal serum a1DNA fetoprotein and free beta-human chronic gonadotropin in the second trimester: Walter Sissulu Joint international research conference, East London, Eastern Cape, South Africa
• 5th Annual Scientific Conference, UGMS, College of Health Sciences.

Dr. Bartholomew Dzudzor
• April 2011. Faculty Development Workshop, UG, Legon.
• 5th Annual Scientific Conference, UGMS, College of Health Sciences.
• September 2011. Workshop on Teaching and Learning Methodologies, Legon
DEPARTMENT OF MICROBIOLOGY

OVERVIEW
The functions of the Department were promoted significantly in the 2008/2009 academic year. Our focus on teaching, research and service provision within the University of Ghana Medical School, the College of Health Sciences and the Korle-Bu Teaching Hospital was maintained and strengthened. The Department continued to offer courses to undergraduates – (Medical Students, Dental students, Allied Health Sciences/Biomedical Students/Pharmacy Students), Graduate Entry Programme (GEMP) and post graduates/residents as expected.

The Department pursued its research goals and activities fervently and expanded its international collaborations to include opportunities for faculty development. Our research collaborations with faculty members from other sister departments in the College: (Medical School – Departments of Child Health, Medicine, Obstetrics and Gynaecology), Dental School, School of Allied Health Sciences (Medical Laboratory Sciences), Fevers Unit, Chest Clinic were maintained. There has been a marked increase in the intake of PhD and MPhil students into the Department and this has not only expanded our research activities but it has also increased our research collaborations with other faculty members in other institutions.

The Department continued to offer clinical microbiological support to the Korle Bu Teaching Hospital in the form of diagnostic services, investigation of hospital infection and consultations on various issues. Other hospitals and health institutions in the Greater Accra Region also benefited from these services. With the current improvements in our faculty strength coupled with the good caliber of technical and administrative staff, the needs to upgrade its teaching and research laboratories to improve the standard of teaching and research.

STAFFING POSITION
The breakdown of staff at post was:

1 Professor (Part-time)
2 Associate Professors (Contract)
4 Senior Lecturers (1 on Part-time)
5 Lecturers (1 on Study Leave)
14 Senior staff
4 Junior staff
Total 30

Courses taught/Number of students

<table>
<thead>
<tr>
<th>Courses</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSc. Medical Sciences Level 300</td>
<td>176</td>
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<tr>
<td>BSc. Med. Lab (Allied Health Sciences) Level 400</td>
<td>27</td>
</tr>
<tr>
<td>Level 300</td>
<td>60</td>
</tr>
<tr>
<td>GEMP students Level 100</td>
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</tr>
<tr>
<td>MPhil Biomedical Sciences</td>
<td>17</td>
</tr>
<tr>
<td>Ph.D</td>
<td>9</td>
</tr>
<tr>
<td>School of Pharmacy Level 100</td>
<td>35</td>
</tr>
</tbody>
</table>

Total 371

ACADEMIC STAFF LIST
The Department has a total of 12 faculty members. Two (2) are on post-retirement contract and two (2) are on part-time contract. One (1) of the full time faculty is on study leave. The faculty strength at present does not match the student population and the programmes being run in the Department. There is the need to engage the services of Teaching Assistants to augment the efforts of the faculty at post.

Research in the Department
In the course of the academic year, members of staff of the Department undertook research in the following areas:
- Hepatitis Viruses in Ghana
- HIV-1 and HIV-2 infections (dual infection, drug resistance, sequence diversity)
- HIV and hepatitis B/C/GVB-C virus co-infections
- HIV and tuberculosis co-infections
- Molecular characterization of hemorrhagic fever viruses in Northern Ghana
- Infectious diseases of children under five years old in Ghana, with emphasis on those causing respiratory and diarrheal diseases
- Molecular Epidemiology of parasitic infections
- Detection and characterization of invasive and non-invasive species of Entamoeba spp.
- Parasitic infections among out-patients visiting the Korle Bu Teaching Hospital
- Neglected parasitic diseases
- Food and water quality analysis
- Invasive pneumococcal disease
- Antimicrobial susceptibility pattern of Mycobacterium tuberculosis to electro-colloidal silver
- The susceptibility of multiple resistant Enterococci to electro-colloidal silver
- Evaluation of donor arm disinfection technique
- Occurrence of antimicrobial drug residues and resistant bacteria in eggs sold in Accra
- The role of street foods in the transmission of enteropathogens
- Susceptibility of multiple antibiotic resistant staphylococcus aureus to herbal medicinal preparations sold in Accra.
- Malnutrition and diarrheal diseases in children less than 5 years

**CONFERENCES/SEMINARS/WORKSHOPS**

During the year under review members of staff attended conferences, seminars and workshops as indicated below

**Prof. M. J. Newman**

- 21st to 23rd September 2011. 5th Annual Scientific Conference, College of Health Sciences, University of Ghana, Ghana College of Physicians Building, Accra.
- 7th to 9th December 2011 8th Annual General and Scientific Meeting Ghana College of Physicians and Surgeons Accra. “Non-communicable Diseases-Lifestyle and Health”

**Rev. Dr. Patrick F. Ayeh-Kumi**

- 21st to 23rd September 2011. 5th Annual Scientific Conference, College of Health Sciences, University of Ghana, Ghana College of Physicians Building, Accra.
- 7th, 8th to 10th February 2011. College of Health Workshop to Develop Proposal: Initiative for collaboration with Danish Universities. Centre for Wetlands, University of Ghana, Legon – Accra.
- September 2010. 4th Annual Scientific Conference, College of Health Sciences, University of Ghana, Ghana College of Physicians Building, Accra.
- 29th June - 1st July 2010 6th Delegates Conference of Ghana Association of Biomedical Scientists, Abokobi, Accra.

**Dr T.K. Adiku**

- 21st to 23rd Sept. 2011. 5th Annual Scientific Conference, College of Health Sciences, University of Ghana, Executive Auditorium, Ghana Institute of Management and Public Administration (GIMPA)

**Dr. Kwamena WC Sagoe**

• 13th-15th July 2011. HIV and chronic viral hepatitis workshop by KNUST & Golden Tulip Hotel, Kumasi, Ghana.
• 19th July 2011. Workshop to revise Graduate Entry Medical Program Workbook, Legon, Accra.
• 7th July 2011. Screening for surface antigenaemia in HBV infections: Is one screening test sufficient? Clinical presentation for the Ghana Association of Biomedical Scientists, Korle-Bu Teaching Hospital by GlaxoSmithKline

Dr. Simon K. Attah
• 21st to 23rd Sept. 2011. 5th Annual Scientific Conference, College of Health Sciences, University of Ghana, Executive Auditorium, Ghana Institute of Management and Public Administration (GIMPA)
• 22nd – 24th Sept., 2010 4th Collage of health sciences third annual scientific conference, Ghana College of Physicians Building, Accra, Ghana
• October 2010. 3rd African Network for Drugs and Innovation (ANDI) Stakeholder Meeting, Nairobi, Kenya

Dr. Eric Sampane-Donkor
• 15th September 2011. Pfizer Pneumococcal Disease Summit; Holiday Inn Hotel, Accra, Ghana; Presented a paper on “Pneumococcal Disease and antibiotic Resistance”
• April, 2011. Unilever Health Summit; Alisa Hotel, Accra;

Dr. Patience Tetteh-Quarcoo
• 21st to 23rd Sept. 2011. 5th Annual Scientific Conference, College of Health Sciences, University of Ghana, Executive Auditorium, Ghana Institute of Management and Public Administration (GIMPA)
• 22nd – 24th Sept., 2010 4th Collage of health sciences third annual scientific conference, Ghana College of Physicians Building, Accra, Ghana

Dr. Japheth A. Opintan
• 21st to 23rd Sept. 2011. 5th Annual Scientific Conference, College of Health Sciences, University of Ghana, Executive Auditorium, Ghana Institute of Management and Public Administration (GIMPA)
• 22nd – 24th Sept., 2010 4th Collage of health sciences third annual scientific conference, Ghana College of Physicians Building, Accra, Ghana
• 28th April 2011. Participant, Faculty Development Workshop on Enhancing Problem Based Learning (PBL) method of teaching. University of Ghana.

PUBLICATIONS
Prof. Mercy J. Newman
**Dr. Patience Tetteh-Quarcoo**

**Dr. Japheth A. Opintan**
- JA Opintan, RA Bishar, MJ Newman, IN Okeke. Carriage of Diarrhoeagenic Escherichia coli by Older Children and Adults in Accra, Ghana. Transactions of the Royal Society of Tropical Medicine & Hygiene. 2010. 104; 504-506

**EXTENSION WORK**
**Prof. Mercy J. Newman**
- Editor, Ghana Medical Journal
- Member, Prisons Advisory Committee, Ghana
- Member, National Advisory Experts Committee on Management of MDR-TB
- Member- Advisory Board, Tanzania Health Research Bulletin – Jan 2006
- International Editorial Advisor – Nigerian Journal of Health and Biomedical Sciences
- Reviewer, West African Medical Journal
- Examiner, West African College of Physicians
- Examiner, Ghana College of Physicians and Surgeons

**Prof. K. Twum-Danso**
- Chairman of Laboratory Medicine, Ghana College of Physicians and Surgeons

**Rev. Dr. Patrick F. Ayeh-Kumi**
- General Overseer, Covenant Cathedral Church, Accra
- 2nd Vice President, Ghana Association of Biomedical Scientists
- Member, Legon Hall Council, Legon Hall, University of Ghana, Legon
- Fellow, Legon Hall, University of Ghana, Legon, Accra
- Tutor, Legon Hall, University of Ghana, Legon, Accra
- Reviewer, Ghana Journal of Allied Health Sciences
- Lecture/Examiner, Ghana College of Physicians and Surgeons
- Features on TV Educational Programmes
- Patron, Eternity Intercessory Team, Accra
- Patron, Ghana Association of International Foreign Medical Students, UGMS
- Patron, Association of Physiotherapy Students, SAHS
- Member – Executive Committee, University of Ghana
- Member – Executive Committee, College of health Sciences
- Member - Academic Board, University of Ghana,
- Member - Board of College of Health Sciences
- Member - Board of Medical School, University of Ghana
- Member - Board of School of Allied Health Sciences
- Member - Board of School of Graduate Studies
- Member - Admission Board of School of Allied Health Sciences
Dr T.K. Adiku
- Head, Department of Microbiology, Korle-bu Teaching Hospital Central Laboratory
- Ag. Head, Immunology Department, Korle-bu Teaching Hospital Central Laboratory
- Chairman, Project Management and Monitoring Team, UGMS
- Member, UGMS Research Committee.
- Member, UGMS Income Generation and Consultancy Committee
- Member, Academic Quality Assurance and Control Committee, UGMS
- Member, University of Ghana Medical School Board
- Member, University of Ghana Academic Board
- Member, College of Health Sciences Academic Board, University of Ghana
- Member, Scientific Program Committee: (Epidemiology and Prevention) International Conference on AIDS and STIs in Africa (ICASA); 2011, Ethiopia.
- External Examiner (Microbiology), Postgraduate Examinations; School of
- Medical Sciences, KNUST.
- Internal Examiner (Microbiology), Postgraduate Examinations; School of
- Graduate Studies, University of Ghana.
- Scientific Resource Person (HIV/AIDS), Pro-Link Organization, Accra.
- Scientific Resource Person, Human DNA Analysis (Paternity Testing), Cell Biology Laboratory, Central Laboratory, Korle Bu Teaching Hospital.
- Member, Ghana Science Association
- Member, Immunology Society of Ghana
- Member, Society for General Microbiology, UK
- Member, Society for AIDS in Africa

Dr. Kwamena WC Sagoe
- Advisory Board Member, Prison Ministry, Ghana.
- Clinical Laboratory Services, UGMS, May 2000 to date.
- Member of the Board of the University of Ghana Medical School, College of Health Sciences, University of Ghana: Sept. 2002 to Sept. 2004 & August 2010 to December 2011.
- Member of the Housing Committee, University of Ghana Medical School, College of Health Sciences, University of Ghana: Sept. 2002 to December 2011.
- Member, National Polio Expert Committee, 2005 to date.
- Member, Expert Committee on HIV Resistance Monitoring (Ghana), National AIDS Control Programme, July 2006 to date.
- Member, HIV Laboratory Technical Working Group, National AIDS Control Programme, July 2007 to date.
- Co-ordinator, short course in Molecular Bioinformatics, College of Health Sciences, University of Ghana (Start: July 2008).
- Member of the Board of the College of Health Sciences, University of Ghana: Aug. 2008 to July 2010.
- Lecturer and examiner: Ghana College of Physicians and Surgeons – Basic Science Course.
- Editorial Board: Journal of Clinical Virology (JCV), January 2009 to date.
- Chairman, Departmental of Microbiology Postgraduate Committee, June 2010 to December 2011.
- Member, ICT Committee, College of Health Sciences, University of Ghana, June 2011 to December 2011.
- Ad-hoc Consultant on hepatitis B virus infections, GlaxoSmithKline, Accra, Ghana, 2011 to date.
- Contribution to a documentary by the Pharmaceutical Society of Ghana (PSGH) on Hepatitis B viral infections and its prevention.
- Internal examiner, School of Graduate Studies, University of Ghana, June 2011 to date.
- Group member for the Medical School: University of Ghana-Brown University Academic Partnership to Address HIV/AIDS (September 2011 to date)

Dr. Simon K. Attah
- Graduate Entry Medical Program (GEMP) Departmental Coordinator

Dr. Eric Sampane-Donkor
- External examiner; University of London International Programmes (MSc in Control of Communicable Diseases).
- Reviewer for the following journals - Microbial Drug Resistance
Dr. Japheth A. Opintan
- Member of the Antimicrobial Resistance Group – Ministry of Health/Ghana Health Services
- Church Deacon and Finance Committee Chairman- The Apostolic Church, Ghana, Osu Assembly
- Examination officer of the Department of Microbiology, UGMS

VISITORS
The Department received five (5) faculty members named Prof. Niels Frimodt-Mller, Prof. Bjarne, Prof. Britt, Dr. Hassen and Prof. Lars Williams from the Statens Serum Institute and University of Copenhagen respectively. Furthermore, the Department had a faculty member named Jason Blackard, PhD, Division of Digestive Diseases, University of Cincinnati College of Medicine, ML 0595, 231 Albert Sabin Way, Cincinnati, OH 45219.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

OVERVIEW
The main objective of the department is to train undergraduate and postgraduate doctors. Fellowship training by Ghana College of Physician & Surgeons has taken off in the department. Faculty members offer obstetric and gynaecological service to patients who attend the Korle Bu Teaching Hospital.

COURSES OFFERED
MB ChB Final Part I (2nd Clinical Year)
Membership - Ghana College of Physician & Surgeons (MGCS)
Part I & Part II
Fellowship – Ghana College of Physician & Surgeons (FGCS)
West African College of Surgeons (FWACS)
Primary
Part I
Part II

STUDENT NUMBERS
2nd Clinical Year - 180
Postgraduates - 45
Total - 225

VISITORS TO THE DEPARTMENT
- A five (5) member Colposcopy/LEEP team under the leadership of Prof. Alan G. Waxman from New Mexico Health Center, USA visited the department from 21st – 24th August 2011.
- Prof. Tim Johnson, from the University of Michigan, Ann Arbor, USA
- Dr. Methodius Tuuli from Washington University in St. Louis, USA

STAFFING POSITION
Academic Staff - 13
Non-Academic Staff - 8

RESEARCH/PROJECTS
- Fetal Assessment
- General Gynaecology
- Sickle Cell Diseases in Pregnancy
- Renal Diseases in Pregnancy
- Colposcopy
- Client Satisfaction at Antenatal Clinic
PUBLICATIONS
S.A. Obed
- The health of the ‘older women’ in Accra, Ghana results of the Women’s Health Study of Accra. Duda RB, Anarfi JK, Adanu RM, Seffah J. Darko R. Hill AG.

CONFERENCES/SEMINARS ATTENDED BY STAFF AND PAPERS PRESENTED
- 5th Annual Scientific Conference. College of Health Sciences- 21st – 23rd September 2011
- Ghana Surgical Research Society Meeting in Accra, December 2011. Presentation: Re-laparotomy after Caesarean Section

DEPARTMENT OF PATHOLOGY

OVERVIEW
The academic year 2010/2011 was a very busy and challenging one for the Department. Veterinary Medicine level 300 increasing numbers of students. The department had managed to cope with the increased workload and all research works due for completion in the academic year were duly completed.

There has been no significant change in the staff strength of the department. Our service workload in cytology, histopathology and autopsy pathology increased considerably and delivery has improved due to acquisition of microtomes stainer and embedding centre. The immunology/immunohistochemistry laboratory continues to work on a small scale for breast cases only. Preparatory work to start full scale service has been done and will be available.

The Department was refurbished under the auspices of the Physical Development Directorate and using internally generated funds.

Departmental equipment
No new equipment was successfully procured for the period. The Department received a gift of a cyostat that would enhance service work and research. It was received from Professor Felix Offner, Head of Department of Pathology, Landeskraehenhs Feldkirch in Austria, through Dr. L. Edusei (who received a six-month training in cytopathology).

All senior members were heavily involved in extension services both in Ghana and the West African Sub Region, and have served on various committees of the University of Ghana Medical School (UGMS), School of Allied Health Sciences (SAHS), College of Health Sciences (CHS), the University and Ministry of Health.

COURSES OFFERED
The Department offered the following courses:
- B.Sc. Medical Sciences and MB., (Parts I and Part II) in such areas as general pathology, system pathology, forensic pathology and autopsy pathology-UGMS
- BA/B.Sc Nursing Level 300 Human Biology (Pathology) – School of Nursing
- BA/B.Sc Laboratory Science – School of Allied Health Sciences
- M.Phil in Biomedical Science – Pathology, M.Phil Immunology
- Courses for residents of the West African College of Physicians and Surgeons (Primary, Part I, Part II) and the Ghana College of Physicians and Surgeons (CABS, Part I and Part II).
STUDENT’S NUMBERS

<table>
<thead>
<tr>
<th>Course</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Level 300 BSc Med. Sc.</td>
<td>140</td>
</tr>
<tr>
<td>2. BSc Nursing, NUR 316</td>
<td>132</td>
</tr>
<tr>
<td>3. Level 200 SAH</td>
<td>-</td>
</tr>
<tr>
<td>4. Level 300 SAHS</td>
<td>62</td>
</tr>
<tr>
<td>5. Level 400 SAHS</td>
<td>3</td>
</tr>
<tr>
<td>6. MB. ChB (Part I) Forensic Pathology</td>
<td>180</td>
</tr>
<tr>
<td>7. MB. ChB (Part II) Autopsy Pathology</td>
<td>194</td>
</tr>
<tr>
<td>8. Postgraduate (Residency) programmes</td>
<td>30</td>
</tr>
<tr>
<td>9. GEMP</td>
<td>48</td>
</tr>
</tbody>
</table>

The Department successfully completed all academic programmes for the year.

STAFF POSITION

- Senior Members: 5
- Senior Staff: 7
- Junior Staff: 4

The required number of senior members is fourteen (14).

RESEARCH PROJECTS IN THE DEPARTMENT

- Prevalence of high-risk HPV genotypes involved in cervical cancer in Ghana using archival paraffin wax-embedded tissue
- The prevalence of HPV genotypes in oral cancers using archival paraffin wax-embedded specimens
- Malignant Tumours in Ghana: A 30-year study.
- National multi-centre study on bacterial contamination of blood and blood components.
- Study of transfusion transmitted pathogens among blood donors in Ghana
- Risk behaviours and seroprevalence of Hepatitis E Virus among licensed and unlicensed abattoir and slaughter house workers in Accra, Ghana
- Estrogen, Progesterone Her2-neu Receptor studies on Cancers of Breast, Prostate and Female Genital System
- The prevalence of oncogenic viruses in head and neck tumors
- Gene profile in placental from Pre-eclamptic and normal pregnancies among Ghanaian women at the Korle-Bu Teaching Hospital, Accra, Ghana
- Hepatitis E virus infection in Ghana

PUBLICATIONS

DEPARTMENT OF PHARMACOLOGY

OVERVIEW
The aim of the department is to impart knowledge through research and teaching of basic and applied pharmacology to preclinical and postgraduate students of the medical and allied health sciences. During the year under review, the department’s academic programmes were pursued and concluded without interruption, and I take this opportunity to congratulate the faculty and staff of the department for their dedication to work.

The academic staff was augmented with the inclusion of Mr. S.K. Amponsah as an Assistant Lecturer who has been billed for a sandwich Ph.D. programme. This suggests that the staffing position is no better than the year before. Thus the department’s programme to replace the aged faculty is being pursued in earnest.

Despite the challenges, the performance of students in the B.Sc. Medical Science level 300 Pharmacology was very good. The year recorded 93.52% pass rate for Medical and Dental students, 100% for Physiotherapy and Dietetics students and also 100% for School of Nursing. These results were comparable to those of the year before.

The department continues to lack basic equipment for research. The department’s hope of getting some funds released by the TALIF secretariat for the purchase of research equipment was dashed as coordinator the programme from the department unduly delayed in getting the paper work done. Thus our collaboration with sister institutions such as NMIMR, Faculty of Science and School of Allied Health Sciences has been intensified in all areas of research to make up for the deficiency.

COURSES TAUGHT/NUMBER OF STUDENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Number of Students</th>
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<td>Medical &amp; Dental School</td>
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<tr>
<td>B.Sc. (Medical Science) Level 300</td>
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<tr>
<td>Graduate Entry Medical Programme</td>
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<td>GEMP 300</td>
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<tr>
<td>GEMP 400</td>
<td>34</td>
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<tr>
<td>School of Allied Health Science</td>
<td></td>
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<tr>
<td>B.Sc. (Physiotherapy) Level 400</td>
<td>33</td>
</tr>
<tr>
<td>B.Sc. (Dietetics) Level 300</td>
<td>20</td>
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<tr>
<td>School of Nursing</td>
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<tr>
<td>Human Biology IV Pharmacology Level 200</td>
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<td>Human Biology IV Pharmacology Level 300</td>
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<tr>
<td>School of Pharmacy</td>
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<td>Level 200</td>
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<td>Level 300</td>
<td>32</td>
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<tr>
<td>School of Veterinary Medicine</td>
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<tr>
<td>Level 300</td>
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<tr>
<td>Biomedical Sciences</td>
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<td>M.Phil.</td>
<td>11</td>
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<td>Total</td>
<td>512</td>
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STAFFING POSITION

<table>
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<th>Category</th>
<th>Number</th>
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<tr>
<td>Academic/Research</td>
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<tr>
<td>Non-Academic Staff</td>
<td>8</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

RESEARCH/PROJECTS

- Effect of cocoa powder on malaria chemotherapy.
- Screening medicinal plants for their therapeutic and toxicological potential.
- Efficacy of plant medicines for their effect on cardiovascular and respiratory diseases.
- Antimicrobial residues in foods of animal origin.
- Effects of antimalarial drugs on the pharmacokinetics of antiretroviral drugs in HIV-positive patients.
PUBLICATIONS


CONFERENCES/SEMINARS/WORKSHOP


BENEFACTORS

None

VISITORS

None

DEPARTMENT OF PHYSIOLOGY

OVERVIEW

The department continues to grapple with challenges in updating its infrastructure and retaining staff. The Ministry of Health and Korle-bu hospital have extended ICT (fibre optic) network to the departments of the School including Physiology. This will serve as a boost to our infrastructural base after its commissioning hopefully by the middle of 2012. Our staff development effort continues to be an area of focus. Dr. Patrick Adjei, WHO returned recently from his PhD programme and has been appointed to serve in the Departments of Medicine and Physiology. Dr. Clement Nyame has also completed his thesis and is expected back in early 2012.

Our MPhil programme enrolled three new candidates, while one candidate entered the final year of the MPhil programme. Our vision is to double the intake of graduate students at both MPhil and PhD levels working in collaboration with other departments in the area of research. Research publications will also pick up during the coming year, even against very heavy odds, namely limitations of research funds and equipment.

Dr. Richard Doe has submitted his final thesis (hard-bound) awaiting publication after which we hope his academic career in the department will commence. The lack of extra financial incentives in the basic sciences is still a huge constraint to staff retention, especially those of our colleagues with clinical backgrounds who may want to pursue careers as basic scientists.

Our Department embarked on a retreat in Accra during the year to review the Department’s curriculum at both undergraduate and Postgraduate levels in preparation for the Medical School curriculum review. New teaching methods namely Problem-Base Learning (PBL), Team-Base Learning (TBL) and Self-Directed Learning (SDL) were introduced into the proposed curriculum. Our staffing position also came under critical review and a staff development plan was adopted for the short and long term.

COURSES TAUGHT

Undergraduate, MPHIL and PhD
STAFFING
Academic Staff  4
Non Academic Staff  8

VISITORS
The department hosted members of the Department of Physiology of the University of Ilorin, Nigeria, who were on a visit to explore areas of research collaboration with colleagues in Ghana.

PUBLICATIONS
Atherosclerotic macrovascular Burden in Type 2 Diabetes subjects and Body composition at the National Diabetes Management and Research Centre.  K. Yeboah; D.A. Antwi, Gyan, Albert G.B. Amoah (Abst); 2011.


RESEARCH IN PROGRESS
Physiology of preeclampsia
Improvement of Insulin sensitivity in diabetes
Endothelial dysfunction in chronic diseases

CONFERENCES/WORKSHOPS
• Members submitted abstracts for and attended the 4th Annual Scientific Conference of College of Health Sciences September 2011 held in Accra, Ghana.
• Members attended curriculum workshops organized by UGMS on the Graduate Entry Medical Programme (GEMP) and Student-Centered teaching methodologies during 2011.

DEPARTMENT OF PSYCHIATRY
OVERVIEW
This was a year of rendering service to Korle-Bu Teaching Hospital and expanding the practice of Psychiatry and Clinical Psychology within a general teaching hospital setting. We set up collaborations in the teaching of clinical skills to graduate students with the departments of Child Health and Hematology. We organized the first conference on Psychiatry and Psychology in collaboration with the Department of Psychology. The second volume of the two Department’s Ghana International Journal on Mental Health was published. As well, members of Department retreated for three days to Ho to consider governance, teaching and research issues to round up activities associated with our grant from the Teaching and Learning Innovation Fund. Consequently, it was a busy and productive academic year. In February, the department welcomed several psychiatrists (some alumni and some not) from the United States, Canada, Great Britain, and Holland, whose contributions to teaching enriched the senior and junior clerkship programs in Clinical Psychiatry. Four research projects were undertaken by the final year students in clinical psychiatry in the areas of Common Mental Disorders in General Hospital Settings, Ethical Dilemmas, Neuropsychological deficits in a general hospital setting, and this culminated in another successful student conference in April 2011. The student conference has become an annual affair attended by students, senior staff members and clinical staff from Accra and Pantang Psychiatric Hospitals.

COURSES OFFERED
Undergraduate and MPHIL Courses

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Student Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEMP</td>
<td>Medical Psychology</td>
<td>29</td>
</tr>
<tr>
<td>Level 300</td>
<td>Introduction to Psychology</td>
<td>177</td>
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<tr>
<td>Level 500</td>
<td>Medical Psychology</td>
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<tr>
<td>Level 600</td>
<td>Junior Clerkship</td>
<td>194</td>
</tr>
<tr>
<td>Level 700</td>
<td>Senior Clerkship</td>
<td>194</td>
</tr>
</tbody>
</table>

STUDENT NUMBERS
**Psyc 614**  
Ethics and Professionalism in Counselling and Clinical Psychology 15

**Psyc 611**  
Child and Adult Psychopathology 15

**Psyc 612**  
Systems of Psychotherapy 15  
Clinical training/Supervision 15

**STAFFING POSITION**
- Full Time Senior Members: 5
- Part Time: 3
- Adjunct Teaching: 1
- Visiting Lecturers: 7
- Clinical Tutors: 2
- Research Assistants: 2
- Administrative Support: 3

**RESEARCH/PROJECTS**

*Mental Health Screening Among Medical Students.*

The stressors associated with studying tend to be exacerbated by the length of the medical school course. Thus students are particularly vulnerable to mild and serious mental health problems and there is a collective sense among faculty that more ought to be done on a formal level to help students. Each year for the past 4 years, the Department of Psychiatry has screened all students as they come for orientation into Medical School and has followed them with regular assessments after two years. The measures include those of Stress, Emotions, Life Events, Coping, etc. Students with scores suggesting distress have received counseling.

*Validation of the Quick Cognitive Screening Test in a Ghanaian Sample*

This prospective study, with the help of medical students is validating a quick screen for cognitive deficits in Ghana.

**PUBLICATIONS**


**PAPERS PRESENTED AT CONFERENCES/SEMINARS**


*These were wrongly reported in the 2009/2010 report but occurred in Sept 2010

Other Professional and Academic Activities
Dr. S. Ohene

- Ohene S. et al. World Psychiatric Association (WPA) - supported study on monitoring and managing cardio-metabolic risk factors in schizophrenia. Study spans at least 13 countries on all continents and data collection has started in some.
- Ohene S. et al. Ghana Demonstration Study of Epilepsy. - Supported by International League Against Epilepsy (ILAE).
  The Screening Study and Psychotherapy Project (SSPP), funded by University of Ghana Medical School

Longitudinal study of stress and coping in medical students in the University of Ghana Medical School with the goal of crafting suitable and evidence based interventions for the counseling of students.

- Annual General Meeting and Scientific Conference of the West African College of Physicians
- Editor, Ghana International Journal of Mental Health.
- West African Regional Meeting of United Nations Department of Safety and Security (UNDSS), Stress Counselors and Mental Health Professionals, Bamako, Mali. (19th -23rd September, 2011)
- 29th International League Against Epilepsy (ILEA) Congress, Rome, (28th August- 1st September, 2011)

Dr. A. Sefa-Dedeh

- Editor, Ghana International Journal of Mental Health
- Board Member, World Vision International.
- Boardchair, Mind Freedom Ghana

Dr. A. Ofori-Atta

- Applying Grand Strategy to Solving Mental Health Problems – Yale University
- Advisory Group on Mental Health; GHS.
- Advocacy for the passage of the mental health bill
- Member, Executive Committee, African Association of Psychiatrists and Allied Professionals
- Editor, Ghana International Journal of Mental Health.

Prof. C. Mate-Kole

- Founding Editor-In-Chief; Ghana International Journal of Mental Health.
- Chief Organizer, Psychiatry Psychology Conference, University of Ghana

DEPARTMENT OF RADIOLOGY

OVERVIEW

The year under review was less challenging, as not too many changes took place. The department however received Bela Lombay, a visiting professor of paediatric radiology and a former president of the European Society of Paediatric Radiology (ESPR) from Hungary, who during his stay gave useful tips towards the operations of the much awaited new facility at Legon.

Following his involvement, it’s hoped that the new teaching hospital at Legon, could begin with an experienced interventional radiologist, an addition that will change and improve care in areas that have been difficult to have surgical interventions and solutions to problems in the past.

A complementary technical staff will be needed to augment the activity of the interventionist. Plans are therefore in place to attract that as well, if all goes well.

The administrative and academic strength of the department remained unchanged with the underlisted;

- Dr. A.A. Yeboah: Sr Lecturer, Head
- Dr. E.K. Brakohiapa: Lecturer
- Dr. E.M.K. Ogoe: Part-time lecturer
- Mr. Felix Appiah: Messenger
DEPARTMENT OF SURGERY

OVERVIEW
The Department of Surgery remains one of the largest departments in the University. Units under the Department are:
- General Surgery (4 units)
- Orthopaedics and Trauma
- Paediatric Surgery
- Urology (Genito urinary surgery)
- Neurosurgery
- Cardiothoracic Surgery
- Plastic surgery
- Ear Nose and Throat
- Ophthalmology (Eyes)

The Department has continued to encourage young surgeons to join the staff. Lecturers have attended courses in Teaching methodologies and we have introduced introductory lectures in How to Read and Writing for all medical students who pass through our Department.
Senior members have taken more active interest in Research with the establishment of a monthly research forum in the Department.
The Department has continued to collaborate with various internal and external agencies.

COURSES
- Graduate Entry Programme integrated course
- Introductory Clinical Course
- Co-ordinated Course in Medicine and Surgery
- Senior Clerkship in Surgery
- Trauma Course
- Specials rotation (2nd Clinical Year)
  - Ear Nose and Throat
  - Ophthalmology

STUDENTS
Graduate Entry Medical Programme (GEMP) - 47
Introductory Clinical - 203
Co-ordinated course (1ST Clinical year) - 203
Trauma Course - 203
2ND Clinical Year (ENTand Eye) - 147
Sub-interns (3RD Clinical year) - 199
Elective Students - 49
TOTAL - 1051

Dental Students
There were 27 in the Co-ordinated course, Introductory Clinical course and Trauma Course classes

We have continued to receive elective students to the Department, some of whom receive credits for their courses in their home schools. They have come from various countries including Nigeria, United Kingdom, Germany, United States of America, Canada, France and Sweden.

SENIOR MEMBERS
There were four new additions to the teaching staff. Unfortunately the trend now is application for Part-time appointments, since doctors (Specialists and Senior specialists) take an appreciable drop in salary when they become lecturers.

The full list of senior members are 45
STAFF STATISTICS

<table>
<thead>
<tr>
<th></th>
<th>Full Time</th>
<th>Contract</th>
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<tr>
<td>Professor</td>
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<tr>
<td>Non-Academic Staff</td>
<td>(8)</td>
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</tbody>
</table>

PUBLICATIONS


DEPARTMENTAL SEMINARS

Dr. Henry E. Obaka
Management of Gastric Carcinoma, 22/2/11

Dr. Mark Tettey
Management of severe caustic pharyngophageal strictures, 5/4/11

Monthly Research Forum in the Department.
VISITORS
Some of the distinguished visitors we hosted in the Department were:
• Prof. David Howard (Royal National Throat, Nose Ear, London - UK)
• Dr. Y.W. Poley, Amsterdam, April 2011

ONGOING RESEARCH
Dr. Jonathan Dakubo
• Molecular Characteristics of colorectal cancer in Indigenous Africans in Accra. This is a collaborative study with the University of Michigan.
• Prophylactic Antibiotics in Breast Surgery after Neo-adjuvant Chemotherapy

Dr. Adu-Aryee, Dr F Dedey, Prof Joe Nat Clegg-Lamptey
• Uooer limb morbidity following breast cancer treatment in Ghana
• Lower limb amputations in Korle Bu Teaching Hospital.

Dr. V.A. Essuman and Prof NtimAmponsah
• Randomised Controlled Trial of intra-operative adjuvant mytomycin C versus 5-Fluorouracil with trabeculotomy-trabeculectomy surgery for developmental glaucomas in Ghana.
• Epidemiology (and progression) of ocular complications of HIV/AIDS in antiretroviral naïve children attending paediatric clinics in Accra.(Prospective)
• Why children with Retinoblastomapresent late-Caretakers’ perspective.(Prospective).
• Epidemiology and pattern of ocular manifestations of brain tumours in patients presenting at the Korle Bu Teaching Hospital. (Prospective)
• Is the management of Retinoblastoma a problem in Ghana? Experiences of General Ophthalmologists at peripheral hospitals in Ghana.
• Causes of Visual Impairment and Outcome of Interventions in a Tertiary Paediatric Eye Unit in Ghana. (Retrospective).
• Prospective study on dermis-fat grafts and enucleation in Ghanaian children.

Dr. J.E. Mensah
• Urinary Complications of prostate brachytherapy
• Local and Topical anaesthesia for prostate biopsy, Our experience
• Continent cutaneous diversion for bladder extrophy

Dr. Appaedu-Mensah
• Review of hypospadias surgery

Dr. Thomas Dakurah
• Head Injury
• Spinal Cord Injury
• Shunt Infections
• Brain Tumours
• History of Neurosurgical development in Ghana

Dr. Mathew K Kyei
• Patient characteristics and outcomes after Radical prostatectomy for localized prostate cancer
• Benign prostate Hyperplasia among Ghanaians
• Sexual function and self image after successful management of fomniers gangrene
• Patient characteristics, clinical indications and outcomes after nephrectomy at the Korle Bu teaching hospital
• Incidental renal masses among Ghanaians

Prof. E.D. Yeboah
• BENIGN PROSTATIC HYPERPLASIA. Population prevalence in Ghana – Risk Factors collaborative research NCI/NIH
• PROSTATIC CANCER. Population Prevalence in Ghana – Risk Factors including Genetic or Genome Studies collaborative research NCI/NIH
Dr. Emmanuel D. Kitcher
- Occupational hearing loss amongst stone crushing workers in Accra
- Outcome measures of adenotonsillectomy

Prof. S.B. Naaeder and Dr. J.C.B. Dakubo
- Molecular characteristics of colorectal cancers in Ghana
- Day Haemorrhoidectomy under local anaesthesia
- Factors analysis on Determination of postoperative complication in generalized secondary peritonitis

BOOKS
OUR PRIVATE PARTS
Common Genital and Urinary problems in men, women and children

E.D. Yeboah.

HEALTH AND DISEASE
A layman’s guide to good health New Edition 2011,
Editors – E.A. Badoe and S.K. Owusu –
Chapters contributed by E.D. Yeboah – Common Urinary Problems, Impotence, Infertility, Genital Problems

MEDICAL SCHOOL LIBRARY

OVERVIEW
The library has not seen any significant improvement in its fortunes in this last academic year. The library’s automation processes remained on the drawing board due largely to the eractic nature of the link between Korte-u and Legon. The books and journals situation of the library is still the same. No significant purchases have been made in spite of the requests that have been put forward.

ELECTRONIC JOURNALS
Through the Balme library the College of Health Sciences Library continues to enjoy the availability of a wide range of electronic databases. The Health Internetwork Access to Research Initiative (HINARI) is still serving as the library’s most reliable access to full text journals. With the library’s own collection of print journals, HINARI, and the open access, electronic resources constitute the main sources of bibliographic identification and document delivery. The relevance to health information and contribution of HINARI in particular to research, teaching and clinical practice remains paramount. The library continues to market and encourage its use.

MEDIATED SEARCHES
Peculiar demands of our primary clientele require that staff continue to provide mediated searches to clients particularly consultants and clinical practitioners who make such requests. These requests are executed within 48 hours on receipt.

COMPUTER ASSISTED LEARNING CENTRE (CALC)
The broad band internet services provided by Vodaphone has since the middle part of the period been replaced with fibre optic. The speed and bandwidth has been increased to cater for the needs of the college. There is the need to extend this to the other buildings of the college within the Korle-bu campus. A proposal on the funding of this has been submitted to the authorities.

TALIF COMPUTERS
Twenty (20) of the TALIF computers have had their motherboards replaced. New computers would have to replace more faulty ones due to the high cost of purchasing new boards. Over the years, the electrical current has been very low which had affected the output of the computers and accessories. It is hoped that electrical power would be improved up to safe-guard the longevity of these computers and future ones.

INTERNET ACCESS
The CALC continues to provide computers with internet access to students, staff and faculty. It also offers assistance in the repair, installations and maintenance of hardware and software.
Additionally, it supports the various Procurement Offices and Evaluation Committees with specification and evaluation for the purchase of computers and other hardware and accessories.

**COURSES**
Medical students continue to be taught medical Computer Literacy Course (MEDS 201). Allied Health Sciences students also are taken through Computer Laboratory Course (Comp 212). The CALC helped in the organization of two training sessions for staff and students. The first was the Integrated Tertiary Systems (ITS) for heads of institutions, heads of faculty, departments, units and accounts staff of the college. The second was the training on Open Educational Resources (OER) productions from faculty to staff and students.

**CONFERENCES, WORKSHOPS, SEMINARS**
Faculty Development Workshop on Medical Education
- 13th -14th April, 2011 - Ms. Sitsofe A. Dzansi
- 18th -10th April, 2011 - Mr. S. B. Aggrey
- 15th -16th June, 2011 - Mr. Solomon .B. Sulemani

Seminar on Institutional Repositories, Outreach to Faculty and Students, Research Commons and Subject Librarianship;
Balsme Library in collaboration with Mortenson Center, University of Ghana, Legon from 19th – 21st July, 2011.

Ms. Sitsofe A. Dzansi Mr. Solomon B. Sulemani and Mr. S. B. Aggrey
- MCN Mini Conference at Miklin Hotel, Accra 28/7/2011 (Ms. Sitsofe A. Dzansi and Mr. S. B. Aggrey)
- BIOMED Central Open Access Africa 2011 conference at KNUST, Kumasi.
  (Mr. Solomon Bayugo Sulemani and Mr. Rory Aryee).
- GLA Seminar and AGM on 4/11/2011 at Trade Fair Center La, Accra.

Ms. Sitsofe A. Dzansi, Mr. Solomon B. Sulemani and Mr. S. B. Aggrey
- College of Health Sciences Annual Scientific Conference, College of Physicians and Surgeons, 22nd to 24th September, 2011; Accra.

(Ms. Sitsofe A. Dzansi, Mr. Solomon B. Sulemani and Mr. S. B. Aggrey
- Other libraries within the College of Health Sciences have vibrant use of the libraries. Generally however these libraries lack new books and current journals. The School of Public Health and Noguchi Libraries have not suffered much in this regard. Some attempts have been made to purchase new books but there is still the challenge.
- Space is a premium for all the libraries as student numbers seem to outweigh the current existing space. Various levels of renovation and refurbishment have taken place in some of these libraries with the purchase and replacement of old computers and accessories and access to the internet.
- The School of Public Health library has installed and introduced faculty and students to the use of the UG cat and OPAC.
NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH

OVERVIEW
The Noguchi Memorial Institute for Medical Research (NMIMR) was established in 1979 as a semi-autonomous institution of the University of Ghana to provide facilities for biomedical research in Ghana. Its mandate is to conduct research into diseases of public health importance, provide training opportunities for post-graduate students in medical research and specialized laboratory diagnostic and monitoring services in support of the Ministry of Health. It is currently the largest medical research facility in the country. Its services now extend to other countries in the West Africa sub-region. In respect of its three-fold mandate the Institute has been committed to research into national health priorities and training of biomedical students. It has also worked closely with the Ministry of Health in its health delivery activities. The Institute has a vision to be a world-class institute capable of conducting high quality cutting-edge research and training in the biomedical sciences.

Governance
The Institute is headed by a Director and is assisted by, a Deputy Director and an Executive Secretary whose profile is as indicated below:

Director
Professor Alexander Nyarko, BSc, MSc (Ghana), PhD (Philadelphia)

Deputy Director
Professor Kwadwo Ansah Koram, MB ChB MPH/TH (Tulane) PhD (London)

Executive Secretary
Amma Kwaa, BA, Grad-Diploma (Ghana) Graduate Certificate (Bradford)

Apart from the Faculty Board which is the highest decision-making body of the Institute the Instate is governed by the Finance, Scientific and Technical, the Faculty Appointments and Promotions Review, and Biosafety Committees. The Institutional Review Board (IRB) whose membership is composed of experts with diverse scientific backgrounds from within and outside of the Institute, is charged with the responsibility for ensuring that ethical standards are maintained in scientific research, especially those involving human subjects, referred to it not only from within the Institute but elsewhere in the country. Heads of Department administer the Institute’s nine departments of Animal Experimentation, Bacteriology, Chemical Pathology, Electron Microscopy and Histopathology, Epidemiology, Immunology, Nutrition, Parasitology and Virology.

Major Research Activities
With its core business being research the Institute is devoted to research into a wide range of diseases of national priority. In the year under review the Institute continued to research into diseases such as Buruli ulcer, Enteric diseases, particularly rotaviruses, Hepatitis B, HIV/AIDS, Influenza, Malaria, Onchocerciasis, Tuberculosis, Poliomyelitis and Shistosomiasis. Other Health systems including plant medicine development and regulation, bio-monitoring and prevention of poisoning from environmental toxicants, maternal and infant nutrition, food consumption, and food security are also researched into.

Research activities took place in all the nine departments of the Institute. The Institute is committed to the conduct of high quality research, integrity of research data and ethical standards in research. Details of the research activities are included in the departmental submissions that form part of this report.

Finances/Donations
Being a semi-autonomous entity of the University the Institute depends essentially on external sponsorship to support its research activities. The Institute receives subvention from government only for the payment of salaries and remuneration of staff. In addition to its regular subvention from Government and support already received from previous grants from existing or on-going projects the Institute received in the year under review, sponsorship from several external donors to begin new projects. Detailed information on the new projects, the sponsors and the beneficiary departments are indicated in succeeding paragraphs. Additional information on funding support received by the Institute is further recorded in the departmental submissions that form part of this report.
The US Naval Medical Research Unit Detachment (NAMRU-3) also donated an incinerator to the Institute which is currently being installed. Vestegaard-Frandsen also provided to the Institute an insectory and state-of-the-art laboratories in furtherance of the collaboration entered into with the Institute during the year, to support the conduct of research and the development of vector control products.

**STAFFING**

The Institute sought to expand its human resource base by the recruitment of additional staff. One Research Fellow, seventeen Research Assistants, twelve of these on contract appointment, and three out of nine Administrative Assistants needed to serve as departmental secretaries, were recruited. The total number of employees at post at the Institute during the time under review including contract staff was 265. A total of 42 National Service Personnel and eight expatriate staff from Japan and the USA also rendered service to the Institute bringing the total workforce for the year to 319. Thirty-eight (38) of these were Senior Members 35 Research Fellows and 3 Senior Administrative/Professional staff. Two Research Assistants retired from the Institute at the end of the year.

**Staff Development**

The Institute continued to pursue its staff development programme by providing opportunity for six of its staff to pursue courses of study in both local and international institutions. This brought to sixteen the number of staff pursuing academic programmes during the period under review, twelve of these at the PhD level. International institutions at which staff of the Institute are currently studying include the Universities of Edinburgh, Surrey, Sussex in the United Kingdom, the Tokyo Dental and Medical University in Japan, the Ligwig- Macmillian University in Germany, the University of Copenhagen in Denmark, and the Michigan State University in the USA. The local institutions include the Universities of Ghana and Cape Coast and the Kwame Nkrumah University of Science and Technology.

**Projects/Developments at the Institute**

In the year under review the Institute, utilizing funds from the Ghana Educational Trust Fund, the Postdoctoral Training in infectious Diseases Project funded through the Bill and Melinda Gates Foundation and the National Institutes of Health, rehabilitated a number of its laboratories. The rehabilitation involved the redesign and upgrading of some of the facilities.

The Institute also initiated action to rehabilitate its cold rooms which had for fifteen years been non-functional resulting in the use of refrigerator units in the already congested laboratories. The rehabilitation is currently on-going and expected to be completed in the first quarter of 2012.

The Institute initiated action to install the incinerator donated by the US Naval Medical Unit Detachment (NAMRU-3). The project is near completion and is expected to be commissioned in 2012.

In a bid to modernize the library, the Institute procured four additional computers and five internet pots for the library. In addition six Uninterrupted Power Supply (UPS) units were procured to protect equipment. Reading tables were also replaced. The library registered an average of 515 users per month during the year. Users of the library include staff of the Institute, and graduate and undergraduate students of the various universities and polytechnics attached to the laboratories at the Institute.

The Institute and Vestergaard-Frandsen entered into discussion in 2010 to initiate a Public-Private-Partnership with an objective to identify and develop infrastructure that will facilitate the conduct of cutting edge research to support the development of vector control products. In pursuit of this partnership an insectory and state-of-the-art laboratories as mentioned previously in this report, have been constructed at the Institute. The building housing the insectory and laboratories was commissioned in November 2011. The commissioning of the building is a manifestation of the achievement of one of the objectives of the partnership. It is hoped that the partnership will advance scientific research and innovation for the control of infectious diseases, especially malaria and water-borne diseases.

The shared vision of NMIMR and Vestegaard-Frandsen is to make it possible for the scientific and public health community not only in Ghana but elsewhere in the Africa region to avail themselves of the facility.

The Institute operated a very reliable internet facility to aid internal and external communications via e-mail and web surfing. In the year under review the Institute upgraded its bandwidth from 3mb to 10mb over its fiber optic links. The Institute also procured an additional server bringing the total number of servers to four (4). While one server is used as a Mail Server, another is used as a File Server. The remaining two are Internet/Proxy Gateway and a Database Server. With the File Server in place and fully functional all researchers at the Institute have secured home drives by which they can synchronize their data as backup to their individual systems, in the event of data loss.
During the year under review the Institute also acquired a Windows 2008 Server Enterprise, a Microsoft Exchange 2010 Server Software, Oracle Database Software and Adobe CS5. These have enabled the Institute set up Outlook over RPC (Outlook Anywhere) by which users have a seamless secure access to the exchange server even when they are outside the Institute. In addition, the Institute can now host its entire databases on a central server and is in a position to perfect its publications and run reliable updates on its website. The ICT Unit also put in place various new structures to support the growing ICT needs of the Institute.

In response to a Government of Japan announcement to support developing countries with clean renewable energy with photovoltaic systems, the Institute placed an application which was approved. Crown Agents was appointed Project Managers and Lyachio Engineering Company Limited, the Consulting Engineers. The Merubeni Corporation of Japan was awarded the contract for the project which was scheduled to start in January 2012.

CONTRIBUTION TO TRAINING /HUMAN RESOURCE DEVELOPMENT
Research Fellows of the Institute contributed to the human resource development programme of the University by offering services to support teaching and training of post-graduate students. Research Fellows taught various graduate and undergraduate courses in the Faculty of Science, the School of Public Health, the University of Ghana Medical School, the School of Nursing and the School of Veterinary Medicine of the College of Health Sciences and Agriculture and Consumer Sciences respectively.

A total of eighty-five (85) postgraduate students comprising forty-one (41) MPhil and 44 PhDs were also registered at the Institute in the studentship programme and are working on different research topics under the supervision of experienced scientists. The students, largely from the Departments of Animal Biology and Conservation Science, the Departments of Microbiology, Biochemistry, Cell and Molecular Biology, the School of Public Health and the African Regional Programme in Insect Science (ARPIS) are provided with supervision and a conducive research environment for apprenticeship and skills development at no cost to them.

Seventy-four (74) Ghanaian students from several tertiary institutions in the country including the Kwame Nkrumah University of Science and Technology, the University of Cape Coast and the Central University College and eighteen (18) students from international institutions such as the Tokyo Medical and Dental University, the Yale and Butler Universities in the USA, spent varying lengths of time on internship at the Institute. Other interns visited from the Kyambogo University in Uganda and the Karzan Federal University in Russia. Such time spent at the Institute makes it possible for the interns to have insight into infectious diseases research in an endemic environment.

Following the achievement of specific milestones identified by the Bill and Melinda Gates Foundation, sponsors of the Institute’s post-doctoral training programme, and the submission of progress and financial reports, the Institute entered into the implementation stage of the programme in June 2011, with an identification of specific areas of research in malaria, HIV/AIDS and mycobacterium infections. These areas are (1) Innovative methods for assessing/monitoring transmission intensity in support of malaria elimination programme; (2) Innovations for monitoring and surveillance of resistance to antiretroviral therapy in HIV patients in resource-limited African countries and (3) the development of simple, rapid diagnostics for mycobacterium infections, particularly tuberculosis (TB) and Buruli ulcer (BU). Applicants were required to develop research proposals in these areas as a basis for their selection for the programme. Twenty-two (22) candidates were screened for an interview and two candidates were finally selected to receive a fellowship in 2012.

SOME ACHIEVEMENTS OF THE INSTITUTE
The institute won grants to initiate 16 new projects during the year. The titles of the projects, the donors agencies and the recipient departments are as indicated below:
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Donor Agency</th>
<th>Beneficiary / Department</th>
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<tbody>
<tr>
<td>Acute Respiratory Illness – Influenza Like Illness (ARI-ILI) Dangme West</td>
<td>NAMRU-3</td>
<td>Virology</td>
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<td>WHO Health Metrics Network</td>
<td>WHO</td>
<td>Epidemiology</td>
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<tr>
<td>Assessment of Bacterial Blood Stream Versus Malaria Infections in Hospital Admissions in Ghana</td>
<td>Holger Poehlmann-Arzt</td>
<td>Bacteriology</td>
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<tr>
<td>Bui Blackfly Nuisance Control Program</td>
<td>Zenith Bank</td>
<td>Parasitology</td>
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<tr>
<td>Estimating The Economic of Gastroenteritis in Ghana</td>
<td>Program For Appropriate Technology In Health (PATH)</td>
<td>Electron Microscopy</td>
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<tr>
<td>Female Sex Workers</td>
<td>FHI</td>
<td>Virology</td>
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<tr>
<td>Ghana Men’s Study</td>
<td>University of California, San Francisco</td>
<td>Virology</td>
</tr>
<tr>
<td>Integrated Human-Animal-Vector Surveillance (IHAVS)</td>
<td>NAMRU-3</td>
<td>Virology</td>
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<td>Lymphatic Filariasis Research</td>
<td>University of Liverpool</td>
<td>Parasitology</td>
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<tr>
<td>Markers for Ivcetmectin Resistance in Onchocerca Volvulus (MIRO)</td>
<td>WHO</td>
<td>Electron Microscopy</td>
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<tr>
<td>PMI-Anaemia &amp; Parasitaemia Study</td>
<td>President’s Malaria Initiative – Anaemia &amp; Parasitaemia Study</td>
<td>Epidemiology</td>
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<td>Stopenterics</td>
<td>Pasteur Stopenterics Services</td>
<td>Electron Microscopy</td>
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<td>Insecticide resistance Research</td>
<td>Vestergaard-Frandsen</td>
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<td>Scalling up Buruli Ulcer 2-IANPH</td>
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<td>Bacteriology</td>
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<tr>
<td>Wound Care in Buruli Ulcer</td>
<td>UBS Optimus Foundation</td>
<td>Bacteriology</td>
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</table>

Altogether a total of 88 research projects were on-going at the Institute during the period under review.

The Institute continued to function as the WHO recognized National Influenza Center for Ghana, the WHO Regional Reference Laboratory for Polio as well the WHO supported Reference Centre for the Identification of Rotavirus. It is also the Lymphatic Filariasis Support Centre for Africa, and host to the West African Centre for International Parasite Control (WACIPAC) project.

Research Fellows of the Institute provided technical advice and consultancy services on public health and biomedical research to various Ministries, Departments and Agencies such as the Ministry of Health/Ghana Health Service and Ghana AIDS Commission as well as to international agencies as the WHO, USAID, UNICEF, German International Development Agency (GIZ), as per their membership of committees and facilitation at capacity building workshops and seminars. These included support for the development of various guidelines on disease surveillance, diagnosis and prevention of emerging and re-emerging diseases of public health importance for national and regional use.

Staff members continued to make strides in their academic and research endeavours with some special achievements made by them. A few of them are recorded herein.

**Dr. Regina Appiah-Opong** who holds a PhD in Molecular Toxicology from the Vrije University, appointed Research Fellow in the Department of Clinical Pathology in 2009, won a research grant from TWAS - the Academy of Science for the Development of Science for the Developing World. Dr. Appiah-Opong is currently researching into drug-drug/herb/food interaction, anti-malaria and anti-HIV activities of plant medicines and screening for toxicity of these and other medicines.

**Dr. Anita Ghansah** Research Fellow with a PhD in genetic epidemiology from the London School of Hygiene and Tropical Medicine, appointed in 2009 in the Department of Parasitology, was appointed the 2010-2011 Exxon Mobil Scholar of Malaria for Ghana by the Harvard Malaria Initiative. Dr. Ghansah is researching into malaria genetics/genomes and is interested in how plasmodium falciparum genetic diversity influences the epidemiology and pathogenicity of malaria and its implication for therapeutic and vaccination strategies, and as malaria control.
The award from Exxon Mobil is aimed at training African scientists in cutting-edge technologies and helping them to apply these technologies in the natural disease settings to offer new insights and provide the basis for new malaria drugs and other interventions.

_Dr. Linda Amoah_ holds a PhD in Chemistry from Georgetown University with specialization in Biochemistry and Molecular Biology. She was appointed Research Fellow in the Department of Immunology in November 2009. Dr. Amoah was sponsored by the Danish State Serum Institute and the Ghana GETfund to undergo eight months of specialization in the field of recombinant malaria vaccine production. She has focused her research investigation to provide insight into the sexual stage of the malaria parasite and the corresponding transmission blocking immunity humans develop in these sexual stage parasites. She has also created a number of recombinant malaria antigens for use in immune epidemiological studies. The training she received has equipped her to further establish herself as a seasoned researcher and has strengthened the Institute’s capacity to design and create recombinant antigens and vaccine candidates.

_Dr. Anthony Ablordey_ of the Department of Bacteriology, Senior Research Fellow, participated in the 61st Nobel Laureates Meeting in Lindau, Germany during June/July 2011. The Lindau Nobel Laureates Meeting, held annually, provides a globally recognized forum for knowledge exchange between Nobel Laureates and young researchers who have passed a multi-stage international selection procedure.

The focus of the 2011 meeting was attended by 566 young researchers from 81 countries as well as 23 Laureates, was medicine and physiology. Since its inception in 1951, the Lindau Nobel Laureates Meeting has offered a platform for intimate rounds of research interdisciplinary discussions amongst Laureates and young researchers.

**Challenges Facing the Institute**

Key among the challenges faced by the Institute in implementing its programmes and activities is the inadequacy of resources both financial and material. Funds for the Institute’s research work are essentially provided from external sponsors while Government provides funds for the payment of salaries and remuneration of staff. Apart from the need for funding for research, the Institute also needs funds to be able to acquire state-of-the-art laboratory equipment to improve the range and quality of research that can be undertaken by the Institute and for the provision of additional space which is badly needed at the Institute.

**STAFFING**

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Staff</td>
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<tr>
<td>Non-Academic Staff</td>
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</table>

**DEPARTMENT OF ANIMAL EXPERIMENTATION**

**STAFFING**

<table>
<thead>
<tr>
<th>Category</th>
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<td>Research Fellows</td>
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<td>Research Assistants</td>
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<tr>
<td>Technologists</td>
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<tr>
<td>Other support staff</td>
<td>21</td>
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</tbody>
</table>

**RESEARCH ACTIVITIES**

The Department in 2010 and 2011 continued with its research activities. These studies came under three broad areas:

- Animal Modeling/Production of Laboratory Animals: Production of specific pathogen-free (mice, rats and hamsters) and conventional (rabbits, guinea pigs, grasscutters, sheep and goats) laboratory animals for research, teaching and testing.
- Buruli Ulcer: The research studies covered the transmission, pathology and therapy of the disease. Some aspects of the research are being undertaken in collaboration with the Department of Bacteriology (NMIMR), University of Antwerp in Belgium and the Institute of Tropical Medicine (Antwerp - Belgium). The studies are being funded by the World Health Organization (WHO) and Vlaamse Interuniversity Raad and the University Development Cooperation of Belgium (VLIR-USO).
• Phytomedicine: The studies involved an evaluation of the quality, safety (in-vivo) and efficacy of phytomedicine (in-vitro/in-vivo). Some aspects are being undertaken in collaboration with the School of Allied Health Sciences and the Ghana Medical School both of the University of Ghana. The studies are being funded by British Council, Ghana and University of Ghana Research Fund.
• One Health – This project involves capacity building of biomedical scientists in grant-winning proposals to undertake studies in infectious diseases, particularly zoonoses. This project is being undertaken in collaboration with the Sokoine University of Agriculture, Tanzania and the Makerere University, Uganda. The study is being funded by the European Union - African, Caribbean and Pacific Group of States Science and Technology Programme.

The following were the specific projects undertaken in the three research areas some of which are still on-going:
• The Production and Maintenance of Conventional and Specific Pathogen Free (SPF) Laboratory animals – on-going
• The Efficacy of Selected Medicinal Plants on Mycobacterium ulcerans Infected Mice – on-going
• The in-vivo Efficacy of Dinsu as an Anti-Diabetic Herbal Medicine - completed
• The in-vitro and in-vivo Efficacy of Apamal as an Anti-Malarial Herbal Medicine - completed
• The in-vitro and in-vivo efficacy of Tifo as an anti-typhoid herbal medicine - completed
• The Effect of Tropical Medicinal Plants on Uterine Leiomyoma (Fibroid) and Benign Penile Hyperplasia (BPH) in Laboratory Rats. - completed
• Reformulation of Five Herbal Decoctions into Capsules - completed
• Quality Control and Toxicity Evaluation of Five Herbal Capsules - completed
• Delineation of the Pathology of Buruli ulcer in the Grasscutter – on-going
• Identification of Reservoirs of Mycobacterium ulcerans in Buruli ulcer Endemic Communities in the Ashanti Region – on-going

New research registered in the year 2011
The Department is currently conducting investigations into the following
• an anti-cancer drug for antimicrobial activity against Mycobacterium ulcerans
• ten medicinal plants for activity against food-borne pathogens
• seven medicinal plants for anti-diabetic activity

PRESENTATION AT CONFERENCES, WORKSHOPS
• Dr. Phyllis Addo – As the National Coordinator of One Health Ghana, organized a workshop on Research Methodology and Writing Skills for Competitive Grant Winning Proposals. NMIMR UG February 14 – 25, 2011
• Dr. Phyllis Addo Facilitator at the One Health Workshop on Introduction to Biostatistics, February 14 – 25, 2011
• Dr. Samuel Adjei Facilitator at the One Health Workshop on Research Ethics for Animal Studies, February 14 – 25, 2011
• Dr. Phyllis Addo made a presentation on Disaster Risk Reduction Activities of the Pest and Insect Infestation Disasters Technical Committee at the NADMO Disaster Risk Reduction Workshop at the La Trade Fair Site – 30th June 2011
• Dr. Phyllis Addo made a presentation on Lessons Learnt in P2RX (Pandemic Readiness and Response) and the Way Forward– Dakar, Senegal – 22nd July 2011

CONFERENCES, WORKSHOPS/TRAINING ATTENDED
• Dr. Samuel Adjei attended a Training workshop on Grant Winning Skills, Research Methods and Scientific Communication. Makerere University, Uganda March 13 – 19, 2011.
• Dr. Phyllis Addo attended a training workshop on Pandemic Readiness and Response Exercise (P2RX – Simulation Exercise) in Dakar Senegal 17 – 23 July 2011

Training and Teaching Responsibility
Student Supervision

<table>
<thead>
<tr>
<th>Name</th>
<th>No. of Students</th>
<th>School/Faculty</th>
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<tbody>
<tr>
<td>Dr. Phyllis Addo</td>
<td>2 PhD Students</td>
<td>Allied Health &amp; UGMS</td>
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<tr>
<td>Dr. Phyllis Addo</td>
<td>2 M.Phil Students</td>
<td>Public Health &amp; UGMS</td>
</tr>
<tr>
<td>Dr. Samuel Adjei</td>
<td>2 B.Sc Students</td>
<td>Dept. of Animal Biology and Conservation Science (DABCS)</td>
</tr>
</tbody>
</table>
Name | Subject | School/Faculty
---|---|---
Dr. Phyllis Addo | Comparative Physiology | UG Veterinary School
Dr. Samuel Adjei | Principles of Genetics | Dept. of Animal Biology and Conservation Science (DABCS)
Dr. Samuel Adjei | Advanced Genetics | Dept. of Animal Biology and Conservation Science (DABCS)

Internship/Attachment
- Miss Susana Oteng Dapaah, University for Development Studies, June – August 2011
- Love Gorleku, Accra Polytechnic, June – July 2011
- Joana Gyimah, College of Agriculture and Consumer Sciences, UG. June–July 2011

PUBLICATIONS
- George A. Asare, Bugyei K., Sittie A., Ewura Y. Seidu, Djan Ben, Adjei Samuel, Addo Phyllis, Edwin K. Wiredu, Alex K. Nyarko, David Nana Adei. Genotoxicity, Cytotoxicity and other Toxicological Evaluation of Phyllanthus niruri Ethanolic Whole Plant Extract. Genetics and Molecular Research (Accepted for publication)

Commercialization Activities
The Department carried out the following commercial activities and consultancies:
- Sale of laboratory animals;
- Evaluation of the safety of a herbal anti-malarial

VISITS TO THE DEPARTMENT
- Merrill, Nancy LTC USA NAMRU3, Egypt
- Professor Michael Cappello, Director, Yale World Fellows Program, USA

STAFFING
Academic Staff – 3
Non-Academic Staff – 16

DEPARTMENT OF BACTERIOLOGY

OVERVIEW
The main objective of the Department is to conduct research into bacterial diseases of public health importance. During the period under review, the main research focus of the Department was on Tuberculosis and Buruli ulcer, the two most important mycobacterial diseases, sexually transmitted bacterial diseases and diarrhea causing microbes.

STAFFING
3 Senior Research Fellows
8 Research Assistants
Other Support Staff (4)

RESEARCH ACTIVITIES
The main objective of the Bacteriology Department is to conduct research into bacterial diseases of public health importance. During the period under review, the main research focus of the Department was on Tuberculosis and Buruli ulcer, the two most important mycobacterial diseases, microbial quality of raw cow milk and also sexually transmitted bacterial diseases.
The Department worked on the following research projects during the academic year:

**Addo, K. K.**

- Co-investigator, Genotypic and Phenotypic Characterization of Mycobacterium africanum, funded by the Leverhulme – Royal Society (UK) Award, 2009-2012. This is in collaboration with the Imperial College, UK.
- Co-Principal Investigator. Drug Resistant Tuberculosis in Ghana: Molecular Epidemiology and Relations with Species in Mycobacterium Tuberculosis Complex, funded by the Ministry of Education, Culture, Sports, Science and Technology of Japan, 2008-2011. This is in collaboration with the Research Institute of Tuberculosis, Japan.
- Co-investigator. Sexually Transmitted Diseases (STD) Surveillance, Characterizing Gonorrhoea and Chlamydia Prevalence and Gonorrhoea Resistance Profiles in Ghana funded by the Global Emerging Infectious Disease Surveillance (GEIS), Armed Forces Health Surveillance Center, Silver Spring, Maryland, 2011-2013.
- Co-investigator. Investigating the Prevalence of Shigella and/or Enterotoxigenic Escherichia Coli Infections in Ghana and measuring the Natural Immune Responses to these Infections Funded by the European Union STOPENTERICS Consortium, 2011-2015.
- Co-Investigator in the second HIV and Sexually Transmitted Infections Study Among Female Sex Workers in Accra and Kumasi funded by United States Agency for International Development (USAID) through the SHARP Project (Strengthening HIV/AIDS Response Partnerships), 2009-2011

**Ablordey, A.**

- Co-Investigator Studies to Unravel the Reservoir of Mycobacterium ulcerans and its Mode of Transmission to Humans Funded by the Inter-Flemish University Council (VLIR) and the Univerist Cooperation (UOS), Belgium; September 2008 – August 2012. Ghanaian Collaborators: Dr. Anthony Ablordey, Dr. Phyllis Addo. Foreign Collaborators is the Mycobacteriology Unit of the Institute of Tropical Medicine, Antwerp, Belgium.

- Principal Investigator. Scaling Up Early Detection and Treatment to Reduce Buruli Ulcer Morbidity in the Asante Akim North District of Ghana. The collaborators in the study are the Mycobacteriology Unit of the Institute of Tropical Medicine, Antwerp and the Presbyterian Hospital. Agogo, Asante Akim. Funded by the European Foundation. Initiative for Neglected Tropical Diseases and the International Association of National Public Health Institutes. Duration: July 2010 – July 2013.

**Yeboah-Manu D.**

The Department continued with its on-going projects with a consortium of institutions and their respective countries. The following are the projects and the consortium members:

**Project Title:**
The Stop Buruli Project

<table>
<thead>
<tr>
<th>Consortium Members Participant no.</th>
<th>Institutional Team Leader</th>
<th>Institution</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. A. UmBoock</td>
<td>ALES (Aide aux Lépreux Emmaüs Suisse)</td>
<td>Cameroon</td>
</tr>
<tr>
<td>2</td>
<td>Dr. T. Stinear</td>
<td>Monash University</td>
<td>Australia</td>
</tr>
<tr>
<td>3</td>
<td>Prof. F. Portaels</td>
<td>Institute of Tropical Medicine</td>
<td>Belgium</td>
</tr>
<tr>
<td>4</td>
<td>Dr. D. Yeboah-Manu</td>
<td>Noguchi Memorial Institute for Medical Research</td>
<td>Ghana</td>
</tr>
<tr>
<td>5</td>
<td>Dr. C. Johnson</td>
<td>National Buruli ulcer Control Programme, MoH</td>
<td>Ghana</td>
</tr>
<tr>
<td>6</td>
<td>Prof. G. Pluschke</td>
<td>Swiss Tropical Institute</td>
<td>Switzerland</td>
</tr>
<tr>
<td>7</td>
<td>Prof. P. Small</td>
<td>University of Tennessee</td>
<td>USA</td>
</tr>
</tbody>
</table>
The Ghanaian collaborators in the study are Dr. Collins Ahorlu and Professor Daniel Boakye, NMIMR; Dr. Edwin Ampadu of the National Buruli ulcer Control Programme, Disease Control Unit of the Ghana Health Service (GHS) and Dr Cynthia Kwakye-MacLean of the Ga West Municipal Health Directorate of the Ghana Health Service (GHS). The duration of the project is 2008-2011. The funding source is the UBA Optimus Foundation.

Project Title:
Phenotypic and Genotypic Characterization of M. africanum Strains from Ghana. The Ghanaian Collaborators on the project are Dr. Ben Gyan and Dr Kwasi Addo of the Institute; The MRC, UK collaborators are Dr. Sebastien Gagneux formerly with the UK Medical Research Council (MRC) now with the Swiss Tropical and Public Health Institute, Prof. Douglas Young of the National Institute for Medical Research of the UK Medical Research Council (MRC) and Dr. Anne O’Garra of the Division of Immunoregulation, MRC, National Institute for Medical Research.

The duration of the project is 2009 – 2012. The funding source is Leverhulme-Royal Society Africa Award.

Project Title:
Assessment of Bacterial Bloodstream Versus Malaria Infections in Hospital Admissions in Ghana

<table>
<thead>
<tr>
<th>Collaborators</th>
<th>Institution</th>
<th>Country</th>
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<tr>
<td>Dr. Michael Käser (PI)</td>
<td>Ghanaian-German Centre for Health Research, SPH</td>
<td>Ghana/Germany</td>
</tr>
<tr>
<td>Dr. D. Yeboah-Manu</td>
<td>Noguchi Memorial Institute for Medical Research</td>
<td>Ghana</td>
</tr>
<tr>
<td>Dr. Peter Puplampu</td>
<td>Korle-Bu Teaching Hospital</td>
<td>Ghana</td>
</tr>
<tr>
<td>Dr. Margaret Lartey</td>
<td>Korle-Bu Teaching Hospital</td>
<td>Ghana</td>
</tr>
<tr>
<td>Dr. Victoria M. Adabayeri</td>
<td>Korle-Bu Teaching Hospital</td>
<td>Ghana</td>
</tr>
<tr>
<td>Dr. Thomas Junghans</td>
<td>University of Heidelberg</td>
<td>Germany</td>
</tr>
<tr>
<td>Prof. Fred N. Binka</td>
<td>School of Public Health</td>
<td>Ghana</td>
</tr>
<tr>
<td>Prof. G. Pluschke</td>
<td>Swiss Tropical Institute</td>
<td>Switzerland</td>
</tr>
</tbody>
</table>

Seed Funding for the project is from the Swiss Tropical and Public Health Institute Basel, Switzerland

CONFERENCES, WORKSHOPS/TRAINING ATTENDED

Addo, K. K.
• Annual National Tuberculosis Control Programme Stakeholders Meeting held at the La Palm Royal Hotel, Accra, Ghana, 10–13 January 2011. Title of Paper: “TB Disease Prevalence Survey in Ghana: Progress Report”.
• Ghana Medical Journal Reviewers’ Seminar held at the Ghana College of Physicians and Surgeons, on 14 January 2011 Accra, Ghana.
• European and Developing Countries Clinical Trials Partnership Ethics Workshop on Strengthening and promoting ethics of human participant research: The Role of Stakeholders held at the Conference Hall, NMIMR, Legon, 8–9 March 2011
• Stakeholders Workshop on Safe Food, Fair Food: Building Capacity to Improve the Safety of Animal-source Foods to Ensure Continued Market Access for Poor Farmers in sub-Saharan Africa Project organized by the Department of Nutrition and Food Science under the sponsorship of the German Technical Cooperation (GTZ) held at the Centre for African Wetlands, University of Ghana, on 10 March 2011.
• Close up Workshop on Effective Management of Bovine Tuberculosis in Africa: Towards Adapted Control Policy. Funded by the Wellcome Trust, 17th April 2011 Arusha, Tanzania. Title of Paper: “Current Bovine TB Situation in Ghana”.

Ablordey A.
• 61st Meeting of Nobel Laureates held at Lindau, Germany during 26 June to 1 July 2011.
• International Society for Infectious Disease Conference on Neglected Tropical Diseases (ISID-NTD, 2011), held in Boston, USA, during 8–10 July 2011.

Yeboah-Manu D.
• UBS Optimus Foundation 10th Anniversary Celebration held in Zuriach, Switzerland during 24–26 November 2010.
• Annual National Tuberculosis Stakeholders Meeting held at the La Palm Royal Hotel, Accra, Ghana, during 10–13 January 2011.
• STOP Buruli ulcer Consortium Meeting held in Geneva, Switzerland during 25–26 March, 2011.
• WHO Buruli ulcer Initiative Annual Meeting held in Geneva during 28–30 March 2011. The title of paper presented was Sero-Reactivity to the 18 kDa Small Heat Shock Protein of M. ulcerans is an Indication of BU Endemicity Abstract?

Visitors to the Department
• Prof. G. Pluschke, Swiss Tropical Institute, Switzerland.
• Prof. Sebastian Gagneux, Swiss Tropical Institute, Switzerland, the Medical Research Centre, United Kingdom.
• Dr. Michael Käser, Ghanaian/German Centre for Health Research, Germany.
• Dr Inaki Comas, Medical Research Centre, United Kingdom.
• Dr Kingsley Asiedu Chair of the WHO, Buruli ulcer Desk, Geneva, Switzerland.

PUBLICATION/POSTERS/ABSTRACTS

Addo K. K.
DEPARTMENT OF CLINICAL PATHOLOGY

OVERVIEW
The Clinical Pathology Department activity is centered on research that contributes to intervention strategies and safeguards of public health in Ghana. In this respect the Department conducts research into plant medicine development, drug interactions and regulation, bio-monitoring and prevention of poisoning from environmental toxicants (e.g. mycotoxins specifically aflatoxins and toxic heavy metals). The Department also provides specialized laboratory services in support of public health programmes.

STAFFING
Professor - 1
Associate Professor - 1
Research Fellows - 2
Research Assistants - 2
Technician - 2
Other Support Staff - 3

RESEARCH ACTIVITIES
The Department conducted research into the under-mentioned activities during the year under review:

Mycotoxin Studies

Evaluation of Palatability and Acceptance of NovaSil- Treated foods

Aflatoxins (AFB1, AFB2, AFG1 and AFG2) are harmful by-products of the molds Aspergillus flavus and parasiticus and are major contaminants of agricultural produce such as cereals, oilseeds and root crops. Aflatoxin B1 (the most toxic of the aflatoxins) is heat stable and survives a variety of food processing procedures. Chronic ingestion of high levels of aflatoxin causes damage to the liver and other tissues in both animals and humans. Investigations in Ghana show high levels of aflatoxin (exceeding 20ppb) in Ghanaian foods. Death of many people resulting from eating aflatoxin contaminated maize in Kenya have once again raised both national and international concerns with respect to limiting human exposure to aflatoxin. In light of these problems with aflatoxin, it is clear the need for effective strategies for the remediation of aflatoxin-contaminated food in developing countries is critical.

Funded by:
United States Agency for International Development (USAID) through Peanut Collaborative Research

Effect of selected Ghanaian foods on Aflatoxin Biotransformation by Rat Liver Microsomal Proteins
Investigators: Regina Appiah-Opong, Nii-Ayi Ankrah, Alexander Kwadwo Nyarko

Aflatoxin (AF) is a major public health concern in developing African countries. This is mainly due to its potential as powerful human hepatotoxins and carcinogens and its proven toxicity through aflatoxin epoxide formation in animals and humans. Human exposure to aflatoxin in Ghana is high. Therapeutic effects several medicinal plants and vegetables commonly used as food and in folk medicine against many diseases have been reported. However, in Ghana no attempts have been made to employ foods, medicinal plant/herbal products to prevent aflatoxin toxicity. This project seeks to evaluate the potential of Ghanaian foods, medicinal plant/herbal products to mitigate or prevent aflatoxin toxicity. Food samples were obtained from the Madina market. The outcome of this study would indicate the impact of the Ghanaian foods tested on aflatoxin toxicity and which ones would be useful in high risk areas in Ghana.
**Drug Development**

**Chemical and Biological Fingerprinting of Ghanaian Medicinal Plants**

**Investigator:** Regina Appiah-Opong1, Yung-Chi Cheng2, Michael Wilson3, Alexander Kwadwo Nyarko1

**Collaborators:** Department of Pharmacology, Yale University Medical School, New Haven, USA

Chemical and biological fingerprinting is useful for characterization and standardization of medicinal plants. Chemical fingerprinting involves analysis of samples including plants using techniques such as High Performance Liquid Chromatography (HPLC), Liquid Chromatography/Mass Spectrometry (LC/MS), Thin Layer Chromatography (TLC), Nuclear Magnetic Resonance (NMR) and Infra-red (IR). On the other hand biological fingerprinting medicinal plants focuses on determination of the biological activities e.g. anti-HIV, anti-malaria, effects signal transduction pathways and DNA fingerprints. In this project, the HPLC analysis of five (5) Ghanaian medicinal plants have been performed. Anti-HIV activity, effects on some signal transduction pathways and cytotoxicity of the five plants have been evaluated. One of the plants demonstrated anti-HIV activity which makes it a potential candidate for further development as a drug. A provisional patent has been placed on the discovery. Further studies are yet to be performed to determine the active principle.

**Drug Interactions**

**Prevalence of co-use of plant and orthodox medicines in the adult population of the Ga East district of Ghana**

**Investigators:** Regina Appiah-Opong1, Daniel K. Arhinful2, David Mensah2

The use of herbal medicines is becoming increasingly popular globally but adversities resulting from concomitant use of both prescription drugs and herbs raise an important public health issue. Co-administration of orthodox (conventional) drugs and plant medicines raises the potential for herb drug interactions, which may be harmful. In Ghana the phenomenon is common but there is no documented evidence on the prevalence of co-administration of plant medicines with orthodox drugs. The primary aim of this study is to assess this prevalence using a semi-structured questionnaire. The results of this study will guide further research on the potential of commonly used plant medicines to cause herb-drug interactions.

**Studies of Anti-viral and Anti-Parasitic Compounds from Selected Ghanaian Medicinal Plants: Toxicity of Ghanaian medicinal plants**

**Collaborators:** NMIMR departments (Clinical Pathology, Virology, Parasitology), CSRPM, JICA/TMDU/NIU

Acquired immunodeficiency syndrome (AIDS) is difficult to cure because the virus can rapidly change to acquire drugs resistance. Thus, there is an urgent need to establish alternative therapeutic strategies besides the current anti-retroviral therapy (ART). On the other hand, human African trypanosomiasis is still a life-threatening disease to people in African countries. Treatment is stage-specific, with more toxic and more difficult-to-administer treatments for stage 2 disease. Due to the complicated and invasive diagnosis methods, the current treatment regime is not very effective. Thus, the main aim of this study is to identify novel anti-HIV and trypanocidal compound(s) in Ghanaian medicinal plants.

The present focus of the Clinical pathology department in the above study is on cytotoxicity of the medicinal plants selected for the study. Although plant medicines are used widely and many are generally believed to be safe, well-controlled clinical trials confirm that some plant medicines have serious adverse effects. To avoid these effects, the safety of plant extracts selected for evaluation of anti-HIV or anti-trypanosomal activities are being screened to determine their cytotoxicity using in vitro culture systems and spectroscopic-based assays. Non-cytotoxic concentrations of the extracts useful for the bioassays are determined from the results of the cytotoxicity assays. The project is funded by The Japan International Cooperation Agency (JICA).

**Studies on Sickle Cell Disease**

**Newborn Screening for Sickle Cell Disease in Ghana**

**Collaborators:** Francis K. Nkrumah (Fmr Director, NMIMR), Kwaku Ohene-Frempong (Children’s Hospital of Philadelphia)

In November 2010 the Ministry of Health launched the National Newborn Screening programme for sickle cell disease (SCD). The haematology laboratory (now the Sickle cell laboratory) of the Clinical Pathology Department, NMIMR, was designated as the national laboratory for screening for SCD and other haemoglobin disorders in newborn and
young infant. Initial haemoglobin analyses of dried blood spots (DBS) collected from newborns is performed using isoelectric focusing technique. By September 30, 2011, the laboratory had screened 336,393 babies and diagnosed sickle cell disease in 5,922 (1.76%) of the babies.

The Project is funded by the National Institute of Health (NIH), USA.

PAPERS DELIVERED AT CONFERENCES, WORKSHOPS, SEMINARS

Dr (Mrs.) Regina Appiah-Opong

Professor Nii-Ayi Ankrah
- Challenges and Health implications of Mycotoxins in Ghana, Health Summit, Ministry of Health, GIMPA Accra, Ghana 11-15 April 2010

PUBLICATIONS


VISITORS TO THE DEPARTMENT

- Prof S. Yamaoka (TMDU) and a team from Japan
- Dr. I. Yoichi (Japan development Services) and another team from Japan
- Prof. Philips (Texas)
- Dr. O. Morinaga (Nagasaki International University, Japan)
- Dr. T. Uto (Nagasaki International University, Japan)

STAFFING

<table>
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<tr>
<th>Type of Staff</th>
<th>Number</th>
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<tbody>
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<tr>
<td>Non-Academic Staff</td>
<td>9</td>
</tr>
</tbody>
</table>

DEPARTMENT OF ELECTRON MICROSCOPY & HISTOPATHOLOGY

OVERVIEW

The Electron Microscopy & Histopathology (EMH) Department houses the only Transmission Electron Microscope in Ghana. The main research focus of the department is in the area of Enteric Diarrhoea with special emphasis on Rotaviruses.

Through its diarrhoea surveillance studies, the department helped to firmly establish rotavirus as a major cause of diarrhoea in children less than five years of age.

The EMH department is a key member of the African Rotavirus Surveillance Network, a network set-up to initiate and facilitate the determination of the burden of rotavirus diarrhoea disease, burden studies across Africa and provide evidence based data for the introduction of rotavirus vaccines in Africa and the rest of the developing world.

The Department currently is the WHO supported Reference Centre for the identification of rotavirus using Electron Microscopy, Enzyme Immunoassay and Molecular techniques. The department is also involved in studies measuring the burden and characterization of Noroviruses, Caliciviruses, Astroviruses and other enteric viruses. The Department also conducts studies in Buruli Ulcer and some plant virus and also provides technical support to various African scientists.
The EMH department supports national public programmes and recently successfully isolated and characterized Norovirus from Senior High School students in Sekondi, during a Gastroenteritis outbreak in February 2010 on behalf of the Ghana Health Service.

STAFFING
Research Fellows - 2
Research Assistants - 5
Technician - 1
Administrative Assistant - 1
Other support staff - 5

RESEARCH ACTIVITIES
The department undertook some specific projects in the course of the year. These included the following:

- Efficacy, Immunogenicity and Safety Trials of the Pentavent Rotavirus Vaccine in Infants in Ghana (Vaccine Trial sponsored by GAVI, PATH and MERCK Pharma)
- Burden of Disease studies of rotavirus infection in Ghana and Strain Surveillance and Characterization of Rotavirus Strains in Ghana
- Estimating the economic burden of gastroenteritis in Ghanaian children (in collaboration with PATH, USA)
- Investigation into the prevalence of Shigella and/or ETEC infections in five communities in Ghana and to measure the natural immune response
- Assessment of fecal exposure pathways in low income settings in Accra (in collaboration with Rollins School of Public Health, Emory University, USA)

Research Collaborations
- Plant toxicology studies with the Center for Scientific Research into Plant Medicine, Mampong.
- Structural studies on plant viruses – Cocoa Research Institute of Ghana, Tafo.
- Vaccine efficacy studies (WHO, PATH and CDC)
- Fecal Exposure pathways in Ghana (Emory University, USA)

Participation by Staff in Seminars, Conferences, Workshops
- Tiberio Swartz Research Forum on Epidemiology of Infectious Diseases, Tel Aviv, Israel, 15 to 20 May 2011
- Workshop on Economic Evaluation of Vaccine Decision Taking, Kenya June 8th -9th 2011
- 2010 Advanced Ethical research Conference, San Diego, USA, 3 to 9 December 2010
- Rotavirus Annual Genotyping Workshop South Africa, 11 to 16 June 2011
- WHO workshop on detection of mycolactone in Buruli ulcer, 1-5 May 2010 Accra Ghana
- 9th International Rotavirus Symposium, South Africa, 2nd-3rd August, 2010

PUBLICATIONS


Staff Training

• Alfred Dodoo: PhD (2010 -2013). Thesis Title: The possible role of rodents in the transmission of Mycobacterium ulcerans infection in Ghana and the experimental stages of Buruli ulcer lesions in the grasscutter (Swinderianus Thyromys). Department of Pathology, University of Ghana Medical School.


• Mr. Frederick Asamoah BSc, Laboratory Technology (2011 – 2013). Miss Chantal Agbemebiese CDC, Rotavirus Diagnosis, Genotyping & Sequencing.

Student Internships

• Baaba Otoo, KNUST.
• Badu-Koranteng Obiri, University of Cape Coast-Ghana
• Juste Issidore Bonkoungou (PhD Student) Burkina Faso
• Dr. Keziah Malm, School of Public Health (SPH)
• Dr. Kwabena Nyarko, SPH, Ghana
• Miss Elsie Dei-Anane, Ghana
• Rachel Blake  (Princeton University), USA

VISITORS TO THE DEPARTMENT

Educational/Academic Visitors:
• Professor Christine Moe, Head, Global Health and Population Programme, Rollins School of Public Health, Emory University, USA)
• Professor Daniel Cohen, Dean School of Public Health, Tel Aviv University, (Israel)
• MPH students from the School of Public Health
• Students from Mfantsipim Secondary School
• Students from British Columbus University

STAFFING

<table>
<thead>
<tr>
<th>Type of Staff</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Staff</td>
<td>2</td>
</tr>
<tr>
<td>Non-Academic Staff</td>
<td>9</td>
</tr>
</tbody>
</table>
DEPARTMENT OF EPIDEMIOLOGY

OVERVIEW
The Epidemiology Department continued to contribute to the mission of the Institute through basic and applied epidemiological research on, but not limited to malaria and other diseases of public health importance. It is also a home to the Social Science Unit of the Institute, including the Health Support Centre for HIV/AIDS and other communicable and non-communicable health problems. The Department hosts the Institute’s Clinical Trials Unit and has oversight responsibility for the Computer and Information Technology sections as well as a nascent Data Management Unit. In view of its unique expertise and role, the department provides technical assistance to other researchers of the Institute in the areas of research design, implementation and data management and analysis. Staff of the Department include a mixed array of medical epidemiologists, health social scientists, clinicians, pharmacists, nurses, statisticians, information technologists and laboratory technicians.

STAFFING
Professor Emeritus - 1
Associate Professor - 1
Senior Research Fellow - 1
Research Fellows - 3
Research Assistants - 2
Technicians and Professional Staff - 3
Other support Staff - 11

RESEARCH ACTIVITIES
During the period under review the department’s research activities covered the following areas.

- Malaria Vaccines: Clinical Research and Trial Sites in Endemic Areas.
- Monitoring the Therapeutic Efficacy of Amodiaquine + Artesunate and Artemether + Lumefantrine Combination Therapies in the Treatment of Uncomplicated Malaria in Ghanaian Children.
- Genotype Studies of Severe Malaria and Malaria Candidate Gene Diversity in the Kassena-Nankana District of Northern Ghana (MalariaGEN).
- Therapeutic and Pharmacogenomic Studies in Breast Cancer.
- Reaching the Poor in Ghana’s National Health Insurance.
- Towards a Client Oriented Health Insurance in Ghana.
- Youth for Youth: Initiating a Youth Magazine by Adolescents and for Adolescents.
- Real Time Mortality of Child Mortality To Evaluate Progress in Millennium Development Goal 4.
- Sexual and Reproductive Health Resilience of Adolescents in Ghana and Tanzania.
- Stop Buruli Project: Early Case Detection, Reporting and Treatment Interventions in the Ga East and South Municipalities.
- Characterization of Molecular Markers of Antimalarial Drug Resistance.
- Prevalence of Plasmodium falciparum parasitaemia and anaemia in children under five years of age at baseline and following annual vs. biannual indoor residual spraying (IRS) in Bunkpurugu-Yunyoo District, northern Ghana.
- Assessment of Malaria Transmission in a Potential Site for Clinical Trials in Ghana.

RESEARCH COLLABORATIONS / BENEFACCTORS
The key research collaborators and sponsors were the following:

- Division of Microbiology and Infectious Diseases (DMID)
- National Institute of Allergy and Infectious Diseases (NIAID)
- National Institute of Health (NIH) USA
- U.S. Naval Medical Research Unit No. 3 (NAMRU)
- Roswell Park Cancer Institute, Buffalo, New York, USA
- Institute for International Programs, Johns Hopkins University (IIP/JHU), USA
- Nijmegen International Center for Health Systems Research and Education (NICHE), Radbord University Nijmegen Medical Centre, The Netherlands
- Amsterdam Institute for Global Health and Development
- Kintampo Health Research Centre, Ghana
- Navrongo Health Research Centre, Ghana
TRAINING ACTIVITIES
Faculty members of the department were involved in teaching and supervision of research students at masters and/or doctoral level from the School of Public Health, University of Ghana as well as other local and foreign universities through sandwich programmes.

Staff of the department also provided training through workshops and in-service training to various technical and professional staff, as well as internship programmes.

PUBLICATIONS


CONFERENCES AND WORKSHOPS ATTENDED

- NCCR North-South JAC West Africa Annual Workshop, Accra, Ghana, 7-11 February 2011.
- Inception Workshop for the project “Towards a Client-Oriented Health Insurance System in Ghana”; Accra, Ghana - 24 - 25 February 2011
VISITORS TO THE DEPARTMENT
Dr. Bhattacharya Achyut, Division of Parasitic Diseases and Malaria, Centers for Disease Control and Prevention, Atlanta, U.S.A

STAFFING
Academic Staff - 5
Non-Academic Staff - 15

DEPARTMENT OF IMMUNOLOGY

OVERVIEW
The Department continued to focus on the exploitation of the discipline of immunology to the improved diagnosis, treatment, control and prevention of the major infectious diseases prevalent in Ghana. This is consistent with the overall strategy of the Institute. In fulfillment of this goal the department conducted:
• research into the pathogenesis of major infectious and non-infectious diseases, especially malaria in children and pregnant women, and in measles by studying immunological and molecular mechanisms that affect the relationship between the human host and pathogens;
• studies leading to the identification and evaluation of potential malaria vaccine candidates and
• research aimed at improving on existing immunodiagnostic tests.

All of these activities are aimed at improving human health, comfort and well-being. Expertise available in the Department includes cellular, humoral and molecular immunology. The techniques available include flow cytometry, enzyme-linked immunosorbent assay, multiplex, ELISPOT, B cell transformation, continuous cultivation of malaria parasites and fluorescent microscopy. The department supports the Foods and Drugs Board in assessing the potency of new rapid malaria diagnostic tests using continuous parasite cultivation protocols and procedures.

STAFFING
Senior Research Fellows - 3
Research Fellow - 1
Research Assistants - 8
Technical Staff - 3
Other Supporting Staff - 3

RESEARCH ACTIVITIES
Current research conducted in the Department is classified under the following theme:

Pathogenesis of Severe Malaria in Children
Most studies on the pathogenesis of severe malaria have not considered the effect of co-infections and therefore may have overestimated the contributions of malaria in acutely ill children. Knowledge of the immune interplay between malaria and bacteremia will therefore aid in clinical management of these diseases. As part of a Severe Malaria Study in collaboration with the Kintampo Health Research Centre we have measured plasma levels of pro-inflammatory and anti-inflammatory cytokines in children with severe malaria, bacterial infections and co-infections.

Our collaborative study with the Department of Child Health, Korle Bu and Weill Medical College of Cornell University reveals that the mean percentage of circulating endothelial progenitor cells (EPCs) is significantly lower in Ghanaian children with cerebral malaria as compared to those with uncomplicated malaria, asymptomatic parasitemia or healthy controls. During 2011 we expanded the study to investigate the role of electrolytes in modulating the effect of EPCs in cerebral malaria. To further define the host response to microvascular damage in malaria Dr. Gyan’s group have secured NIH funding to verify this model by defining the host response to microvascular damage and its association with the development of and recovery from cerebral malaria.

Malaria Vaccine Programme
An effective and safe vaccine remains the ultimate tool for the elimination of malaria. Some vaccine candidates are being tested in clinical trials while attempts are being made to identify new candidates. The department is currently engaged in a number of collaborative studies towards the development of a malaria vaccine. The studies cover the
identification of reliable correlates of immunity against malaria, evaluation of the potential of a number of malaria
vaccine candidates as well as the establishment of standardized protocols and assays for the evaluation of malaria
vaccine candidates. The department in collaboration with Dr Michael Theisen of (SSI), Denmark, has made a potent
multivalent malaria transmission blocking vaccine candidate that has entered GMP production. Plans are underway to
test the potency of the vaccine in endemic countries including Ghana in the near future.

- **Immunological Aspects of Malaria Transmission**
  The department is aiming at better understanding the transmission dynamics of malaria by determining baseline
levels of antibodies against major transmission blocking vaccine candidates as well as determining genetic
variations amongst circulating Plasmodium falciparum gametocytes. We anticipate using membrane feeding
assays as well as ELISA to identify parasitological and human factors that influence mosquito infectivity to
reduce malaria transmission.

- **Assessment of New Recombinant Antigens as Possible Malaria Vaccine Candidates**
  Cohort studies in malaria endemic populations and among subjects exposed to natural infection are important in
identifying resistant and susceptible subjects. These cohort studies provide a means of examining the development
of natural immunity against potential vaccine candidates and how this immunity correlates with clinical protection.
This was done in collaboration with Prof. Kenji Hirayama, Institute of Tropical Medicine, University of Nagasaki
are carrying out a study to identify groups children who are resistant and susceptible to malaria despite exposure
to infection. They will measure antibodies against four new antigens under development, MVC1, MVC2, MVC3,
and MSP-10. The HLA profiles and cytokine genetic polymorphisms associated with susceptibility to malaria in
these children will be determined.

Under the NIH malaria vaccine project, the Department supported the identification of correlates of antibody mediated
immunity in birth cohort studies conducted at Kintampo and Navrongo Health Research Centres by assessing the risk
of clinical malaria with maternally transferred malaria specific antibodies in the first year of life, the class switching
from cytotoxic to non-cytotoxic antibodies in the first 5 year of life and the effect of the use of SP as IPTp and
placental malaria in mothers and immunity to malaria in their children.

**Immunological, Parasitological and Genetic Factors Involved in Protection against and Susceptibility to**
**Plasmodium falciparum** **Malaria in Children in Ghana. (Phase 2 of the Afro-immuno Assay Multi-Center**
**Project).**
The goal of the project is to develop standardized assays using the same reagents and statistical tools as well as similar
longitudinal cohort designs to assess the association between naturally-acquired malaria specific antibodies to blood
stage malaria vaccine candidate antigens and possible protection from clinical malaria. This is being carried out in 8
different geographical and epidemiological settings, comprising low to holo-malaria endemicity. The project which
is co-ordinated by Dr. Daniel Dodoo includes scientists from 8 African countries, and has financial support from
the African Malaria Vaccine Network Trust (AMANET). The overall aim of this study is to develop and introduce
standardized immunological assays that could form part of a set of criteria for the validation of promising malaria
vaccine candidate antigens, provide essential baseline information for clinical trials and enhance quality assured
laboratory capacity and capability.

**Assessment of Functionality of Antibodies that Associate with Protection from Clinical Malaria Using the**
**invitro** **P. falciparum** **Growth Inhibition Assay**
The study is immuno-epidemiological and was planned to establish functional immune correlates of antibody mediated
protection from clinical malaria using the invitro parasite growth inhibition assay (GIA). The objective was to
establish and validate the invitro parasite growth inhibition assays using purified antibodies from selected individuals
whose ELISA antibody responses are associated with protection against or susceptibility to clinical malaria. The GIA
procedure has been established at the Department and will be useful in assessing functional immunity to malaria in
pre-clinical and clinical studies.

**Immunological Correlates of Protection against Clinical Malaria in a Cohort of Young Children**
The principal aim of this NIH-funded study is to identify immunological correlates of naturally acquired antibody
responses to multiple malaria vaccine candidate antigens in young children in the process of acquiring clinical
immunity. We enrolled a cohort of healthy children aged 1 to 5 years at the end of the low malaria transmission season
and follow them through bimonthly over one year spanning the high and low transmission seasons. We are analysing
antibodies to a panel of antigens using a multiplexed-based flow cytometric assay and will attempt to identify antibody
responses associated with clinical immunity.
Pregnancy Associated Malaria

Pregnant women are susceptible to malaria and can develop complications which can adversely affect them as well as the outcome of the pregnancy. Research is required to better understand the mechanisms involved in the acquisition of resistance to malaria in pregnancy. Dr. M. Ofori in collaboration with Prof. Lars Hviid of the University of Copenhagen with support from DANIDA, have embarked on a study to provide detailed information on the incidence and pathogenesis of Plasmodium falciparum infection in pregnant women and children in southern Ghana, and the impact on pregnancy outcomes and mother-child health status. The short-term objective is to provide such information that will be of use in evidence-based implementation of intermittent preventive treatment of malaria in pregnancy (IPTp) and in infancy (IPTi). The long-term goal of the study with support from DANIDA is to provide such information that will be of use in evidence-based development of syndrome-specific vaccines against pregnancy-associated malaria (PAM) and severe malaria (SM) in childhood.

Immunological B-Cell Memory to Variant Plasmodium falciparum Antigens

Pregnancy Associated Malaria (PAM) is a syndrome that affects only primigravid women. After the first exposure they develop an effective antibody response against placental binding parasites. This acquired immunity is attributed to the acquisition of antibodies that recognize the highly conserved regions of var2csa among parasite isolates. Several research data have shown that immunoglobulin G (IgG) inhibit binding of VAR2CSA to the placental chondroitin sulfate A (CSA) and that Pregnancy specific VSA (VSAPAM) which includes the PfEMP1 variant VAR2CSA are targets of IgG mediated protective immunity to PAM. Immunity resulting from natural exposure to the Plasmodium parasites that cause malaria takes years to fully develop, and fails to maintain sustained protection in the absence of re-exposure to parasites’ antigen. Invariably however, immunity against placental malaria is reported to increase with parity even though immunity to the placental parasite is expected to wane after delivery. The aim of this collaborative study between Dr Michael Ofori, Professor Lars Hviid from University of Copenhagen and Ms Paulina Ampomah (PhD Student) of the University of Cape Coast is to determine the acquisition and maintenance of immunological B-cell memory that is specific for the Plasmodium falciparum erythrocyte membrane protein 1 (PfEMP1), VAR2CSA antigen that boost immunity in multiparous pregnant women.

Investigation into the Prevalence of Shigella and/or ETEC Infections in Five Communities in Ghana and Estimation of the Natural Immune Responses to these Infections.

The World Health Organization has repeatedly emphasized the need for reduction in mortality and morbidity due to diarrhoea diseases and hence prioritized the development of vaccines against the most common causes of these diseases. Bacillary dysentery (shigellosis) is an illness caused by infection with bacteria called Shigella. Very small amounts of Shigella can cause disease and this is the reason for the high transmission rate of the bacteria usually by direct contact from persons suffering from shigellosis, and also through contaminated food and water, especially in the setting of poor hygiene and sanitation. About 1 million people and especially children, die every year in developing countries because of shigellosis. Vaccination remains one of the most effective ways of preventing diarrheal diseases, particularly shigellosis. Our hypothesis is that a good Shigella candidate vaccine should induce in the body an immune response at least comparable with that induced by natural infection. The purpose of this study is to investigate the prevalence of Shigella and/or ETEC infections and their respective immune response to the natural infections which causes diarrhoea in children and adults. This study is being conducted by Dr Michael Ofori in collaboration with Professor George Armah of the Department of Electron Microscopy and Histopathology as part of a consortium involving a number of European Union countries, Israel, Bangladesh and Ghana.

Analyses of Phenotypic Features of Host-Pathogen Interaction in M. africanum Compared to M. Tuberculosis

Mycobacteria africanum which is prevalent only in West Africa is suggested to be genetically distinct from ‘modern’ M. tuberculosis. Initial data suggest that this genetic diversity reflects in phenotypic variation, including differences in immunogenicity and propensity for reactivating disease in TB patients. We are undertaking a study in collaboration with Drs. K. Addo and D. Yeboah-Manu of the Bacteriology Department of the Institute and Dr. Sebastian Gagneux of the Swiss Tropical Institute to evaluate the innate immune response to M. africanum infection compared to M. tuberculosis. Mr. John Tetteh, a PhD candidate is undertaking analyses of phenotypic features of host-pathogen interaction in M. africanum compared to M. tuberculosis under the supervision of Dr. B. Gyan.

Research into Non-Communicable Diseases

It is the interest of the department to include research on non-communicable diseases such as tumours, allergies and hypersensitization in its research agenda. These are increasingly gaining importance and are now important public health issues. Secondly there is considerable modulating effect of some of these diseases on the immune responses to some of the pathogens. In addition, some of the tools for investigations into these study areas have already been developed and can be applied to answer important questions affecting the population.
Microvascular Damage in Non-Infectious Diseases (Stroke and Sickle Cell Disease)
Our data on Microvascular damage in cerebral malaria has given impetus in investigating the role of EPC in stroke and sickle cell patients in Ghana. Persistent endovascular damage, such as that seen in patients with risk factors for cardiovascular disease, has been associated with the reduction or depletion of circulating endothelial progenitor cells leading to the inability to repair the microvasculature. We have measured levels of CEPCs in Ghanaians with and without stroke in relation to vascular endothelial damage. It is expected that data generated would help to identify people at risk of developing unfavourable clinical outcome which may not otherwise be identified (manuscript in preparation).

Training and Teaching Responsibilities
The Department’s lecturers continued their teaching responsibility in tertiary institutions in Ghana and abroad. The Research Fellows as in previous years supervised undergraduate and postgraduate research including laboratory research in support of masters and PhD. programmes, internships, and student attachments.

Research Fellows from the Department are faculty members of an MPhil Clinical Immunology program of the University of Ghana Medical School, the University of Ghana and lecture in various immunology subjects as well as supervise the MPhil research students. In addition, Research Fellows of the Department teach and train MPhil students in various immunological techniques.

A training workshop on molecular immunology and PCR-based diagnostics was organised at the School of Allied Health Sciences, University of Ghana. Participants were also introduced to techniques such as multiplex PCR, PCR-ELISA and microarray. There was also a hands-on training on PCR during the period.

A training workshop on data analysis and data management using the STATA statistical software was organised at the Institute. Participants were introduced to the required and effective ways of data handling and analyzing immune-epidemiological data.

Technical staff from the department also undertook overseas training attachments in clinical trial ELISA standardization, avidity ELISA, functional malaria parasite growth inhibition assays, molecular techniques and flow cytometry in laboratories in the USA, Scotland, England and India.

Under the NIH and AMANET sponsored projects the department hosted international workshops in standardized T-Cell assays and ELISA to build capacity and capability for immunological/immunogenicity assessment in pre- and clinical studies for African researchers/institutes.

CONFERENCES, WORKSHOPS/TRAINING ATTENDED

Dr. Daniel Dodoo
- ICOPA XII Conference held at the Melbourne Convention and Exhibition Centre, Melbourne, Australia during 15 - 20 August 2010
- Malaria Transmission Blocking Vaccine (REDMAL) meeting held at the Courtyard Marriott Hotel, Pune, India during 5- 9 July, 2011

Dr. M. Ofori
- 4th Annual Scientific Conference of the College of Health Sciences, held in Accra, Ghana during September 22-24 2010:

Dr. Linda Amoah
- Research Training Fellowship, Center for Medical Parasitology, University of Copenhagen, Denmark August 2010 - March 2011.
- 1st Nordic Malaria Conference, held in Lund, Sweden during 1 – 3 September 2010
- 3rd Ghana Biomedical Convention held at the NMIMR, Legon, Ghana during 11 – 13 August 2010.
- Attended a USA National Institute for Allergy and Infectious Diseases (NIAID) sponsored workshop themed DNA Sequencing Workshop: Markers of Antimalarial Drug Resistance. NMIMR, Legon, Ghana during 26 April – 6 May, 2011.
BENEFACTORS
Benefactors to the Department during the period under review include the National Institutes of Health, European Developing Countries Clinical Trials Alliance, Africa Malaria Network Trust, DANIDA and the Weill Medical College of Cornell University, USA.

PUBLICATIONS
- Immunization with Different PfAMA1 Alleles in Sequence Induces Clonal Imprint Humoral Responses that are similar to Responses Induced by the Same Alleles as a Vaccine Cocktail in Rabbits. Kusi KA, Faber BW, van der Eijk M, Thomas AW, Kocken CH, Remarque EJ. Malar J. 2011 Feb 14;10:40.

VISITORS TO THE DEPARTMENT
- Jessie Gu, Princeton University, USA.
- Dr. Dawit Ejigu, the Clinical Trials Coordinator of the African Malaria Network Trust (AMANET).
- Prof. Lars Hviid of the Centre for Medical Parasitology, University of Copenhagen, Denmark
- Dr Lea Barfod the Centre for Medical Parasitology, University of Copenhagen, Denmark
- Ms Katherina Quadt of the Centre for Medical Parasitology, University of Copenhagen, Denmark
- Prof. Jorgen Kurtzhals of the Centre for Medical Parasitology, University of Copenhagen, Denmark
- Dr. Martha Sedegah of the US Navy Medical Research Centre
- Dr. Linnie Golightly, Weill Medical College of Cornell University, USA
- Prof. Kenji Hirayama, Institute of Tropical Medicine, University of Nagasaki, Japan
- Dr. Steve Rosenthal, NIH/NIAD, USA
- Dr. Sebastian Gagneux and Prof Douglas Young, MRC National Institute for Medical Res. UK
• Jeff Rake, Dr. Phil Randazoll, Bill and Melinda Gates Foundation
• Prof Victor Dirita, University of Michigan, USA
• Prof. Sven Britton, Karolinska Institute, Sweden
• Prof Michael Capello, Yale University, USA

STAFFING

Academic Staff
Senior Research Fellow - 3
Research Fellow - 1
Non-Academic Staff - 11

DEPARTMENT OF NUTRITION

OVERVIEW
The overall goal of the department is to conduct research and provide solutions to nutritional problems in Ghana. In pursuance of this goal, the Nutrition Department’s main research areas are maternal, infant and young child nutrition, food consumption and food security and micronutrient deficiency and interventions, these being priority of food and nutrition problems in Ghana. The Nutrition Department has extensive experience in the broad area of Applied Nutrition research.

STAFFING

Associate Professor - 1
Research Fellow - 1
Research Assistants - 5
Technical/Other Staff - 6

RESEARCH ACTIVITIES
Projects carried out during the year under review are outlined below:

• TELFUN (Tailoring Food Sciences to Endogenous Patterns of Local Food Supply for Future Nutrition) Research Programme.
  TELFUN is an interdisciplinary research and PhD training programme, designed to investigate how innovative scientific and technological practices tailored to the needs of local food (legumes and legume based products) networks can be used to enhance food sovereignty and improve the nutritional status of resource-poor people.

  In the past year, the Nutrition department continued to provide technical support and supervision to Abdul-Razak Abizari, the Nutrition PhD student for Ghana. The project is an intervention study aimed at assessing the efficacy of iron-fortified cowpea-based diet to improve diet quality and iron and nutritional status of school children fed through the school feeding program in the Tolon/Kumbungu district in Northern Ghana.

  Collaborators: The University of Wageningen in the Netherlands and Researchers from Ghana and Benin (West Africa), India (Asia) and Ecuador (South American Andean region).

  Benefactors/ Funding Agencies: University of Wageningen and The Nestle Foundation.

• Effect of Fish Meal and Vitamin C On The Iron Status of Ghanaian Children Consuming Cowpea-Based Food
  This is a PhD project being undertaken by Godfred Egbi, a Chief Research Assistant of the Department. The study is an intervention study aimed at assessing the combined effect of the consumption of fish meal; vitamin C and cowpea-based food on non-heme iron bioavailability and iron status of school children fed through the school feeding program. The study is being conducted in the Adaklu District in the Volta Region.

  Benefactor/ Funding Agencies: The Nestle Foundation

• Development of a Focused Ethnography Study manual to Assess the Behavioral and Local Market Environment for a Commercial Complementary Food
  This project was carried out on behalf of GAIN (Global Alliance for Improved Nutrition) Infant and Young Child Nutrition Programme, which supports projects to develop complementary foods and food supplements for children aged 6 – 24 months. Focused Ethnography Study (FES) is a consumer research tool developed to
assess market opportunities and caregiver purchasing and infant feeding behaviour for potential GAIN-supported projects. The FES tool, which was first piloted in Accra, comprises a manual that includes several modules eliciting information on various aspects of infant and young child care and feeding practices from a household and marketing perspective. This first edition of the manual was applied in Afghanistan and South Africa to assess the feasibility and opportunities for planned GAIN supported projects.

Collaborator: Professor Gretel Pelto, Cornell University, Ithaca, New York

Benefactors/Funding Agencies: Global Alliance for Improved Nutrition (GAIN)

Training and Teaching Responsibilities
Staff of the Department taught courses in Nutrition to MPhil Dietetics students of the School of Allied Health Sciences of the College of Health Sciences, and supervised MPhil and PhD students in other institutions in Ghana and Abroad.

CONFERENCES, WORKSHOPS, TRAINING ATTENDED
- Dr Gloria Folson completed a 4-month post doctoral research traineeship at the Department of Environmental Health Sciences, School of Public Health, University of Michigan, Ann Arbor, Michigan., during January-May 2011.
  Following this, Dr. Folson participated in a 10-day STATA Training workshop organized at the University of Cape Coast in collaboration with ASRI (African Social Research Initiative), University of Michigan during 11-20 July 2011. She also participated in the 2011 ASRI conference themed ‘Access, Accountability and Equality’ held in Accra from the 22-23 July 2011.
- Professor Margaret Armar-Klemesu participated in the SUNRAY (Sustainable Nutrition Research for Africa in the Years to come). Workshop on Research Agenda for Africa held in Dar es Salaam, Tanzania, during 13 – 16 November 2011.

Publications/Poster Presentations


STAFFING
Academic Staff
Associate Professor - 1
Research Fellow - 1
Non-Academic Staff - 10

DEPARTMENT OF PARASITOLOGY
Affiliated Centers and Facilities:
- Lymphatic Filariasis Support Centre for Africa (LFSCA),
- West African Centre for International Parasite Control (WACIPAC) And
- NMIMR-Vestergaard-Frandsen Research Facility

OVERVIEW
The Department conducts basic and applied research on communicable diseases; malaria, neglected tropical diseases including lymphatic filariasis, onchocerciasis, schistosomiasis, leishmaniasis, soil-transmitted helminthiasis, Buruli ulcer, and toxoplasmosis. It has a major research programme on non-communicable diseases specifically asthma and allergies because of the linkages with helminths infections. Almost all the studies have field components which are conducted at sites located all over Ghana.

The in-house expertise are: (i) Entomology; vectors biology and systematics, vector transmission studies, field monitoring of control interventions, insecticide susceptibility testing, and efficacy testing insecticide-treated nets and
textiles. (ii) Parasitology; parasite biology and systematics, disease life cycle studies, diagnoses and development of diagnostic kits, drug resistance studies. (iii) Molecular biology; polymerase chain reaction, DNA sequencing, etc. (iv) Parasite biochemistry and immunology; identification of novel candidate molecules for vaccine/drug development etc.

The Department also provides consultancies and specialized technical services to international and local industry and agencies including Ministries, Governmental and Non-governmental Organizations, etc.

CURRENT RESEARCH PROJECTS

Buruli Ulcer
• Ecology of Mycobacterium ulcerans along a single water system, the Densu River
  This study is exploring ecological predictors of M. ulcerans survival, Naucoridae and Belostomatidae diversity and social and economic factors that increase risk of infection. The use of a single water system is expected to eliminate many confounding attributes that may have frustrated earlier studies.

• Zoonotic risks of non-tuberculous mycobacteria (NTM) between humans and small mammals (potential transmission of Buruli ulcer) in Ghana and Cote d’Ivoire. This study has three specific aims that will independently address the distribution of the selected NTM with respect to active case surveillance of human and small animal disease burden; zoonotic risk analysis between animals and humans living in close proximity; and molecular characterization of NTMs in described study areas.

• Investigations into the Role of Aquatic Reservoirs in the Transmission of Buruli ulcer: Ecological Relationships among Aquatic Invertebrates, Habitat and Mycobacterium ulcerans in Ghana, West Africa (2006 – On-going. Professor Daniel A. Boakye, PI, Ghana study; Funding – NIH)

Leishmaniasis
• Entomological and Parasitological Studies on Leishmaniasis in an Outbreak Area in the Hohoe District, Volta Region (Funding agencies; Leverhulme-Royal Society, UK, NAMRU-3, Cairo, Egypt)

Lymphatic Filariasis
• Transmission of lymphatic filariasis in two post-conflict urban cities in West Africa (2010-2012; Sponsor: Centre for Neglected Tropical Diseases, Liverpool, UK)
  Lymphatic filariasis (LF) is predominantly a rural disease in West Africa where the parasite, Wuchereria bancrofti, is transmitted mainly by Anopheles mosquitoes. There is no evidence of active transmission of the disease in West African capitals which have not been affected by conflict e.g. Conakry, Banjul and Accra metropolis. The main aim of this study is to determine whether the residents of Freetown, Sierra Leone and Monrovia, Liberia (two post conflict cities in West Africa) are exposed to bites from mosquitoes harbouring W. bancrofti microfilaria. Information about LF transmission in both Freetown and Monrovia will inform policy about the need and strategy for MDA implementation in cities.

  The Impact of Vector Control on the Transmission Intensity of Lymphatic filariasis in Liberia (2011-ongoing. Sponsor-Centre for Neglected Tropical Diseases, University of Liverpool, UK).

• Transmission Assessment Surveys (TAS) in Lymphatic Filariasis.
  After more than 5 years of MDA with Albendazole and Ivermectin, countries implementing elimination of lymphatic filariasis need to assess whether transmission has been interrupted and therefore stop treatments. The LFSCA with the support of the Taskforce for Child Survival/Emory LFSC has been evaluating the WHO guidelines for TAS to determine whether transmission has been interrupted in some endemic areas in Ghana. The first phase of this study involved undertaking a TAS to stop MDA in the selected endemic areas and the second phase, which will start in February, 2012, will determine whether stopping MDA was justified based on the TAS.

Malaria Parasitology/Genomics/Immunology
• Inducible Nitric Oxide Synthase Promoter Polymorphisms and Malaria in Children in Southern Ghana
  Nitric oxide is an important mediator in the host defense against Plasmodium falciparum malaria. It has anti-parasitic effects in vitro. However, the role of variants of the gene in clinical disease in malaria remains controversial. Single nucleotide polymorphisms (SNPs) in the promoter regions (G954C, and C1173T) are believed to influence susceptibility and severity of malaria. The project seeks to elucidate the role these SNPs play in clinical outcome of malaria in Ghanaian children using parasitology and molecular methods on blood samples obtained from patients recruited in a case–control study. The study is near completion, the data is currently being analysed.
• Genetic Diversity of *Plasmodium falciparum* strains in Three Different Ecological Zones of Ghana

The study is investigating the genetic diversity of *P. falciparum* strains in the three ecological zones of Ghana; Sudan savanna, forest and coastal zones. The goal is to support the ongoing anti-malarial drug efficacy surveillance in Ghana with an additional predictive measure that will help improve surveillance for the monitoring and evaluation of the efficacy of anti-malarial therapies.

Association between Allelic Variations of the Human Genes Y11306 and Z35491 and Resistance to Severe Malaria.

Research has shown that 33 human genes get up regulated (7 fold increase) upon a *Plasmodium falciparum* infection (Ockenhouse, 2003). Upon studying the biological functions of these genes, two of them namely Y11306, Z35491 were found to show very strong association with the pathogenesis of severe malaria, the hypothesis being that these are key genes that influence significantly severe malaria outcome and that allelic variants may be associated with resistance or susceptibility to severe malaria. Archived blood samples from a case-control study conducted in the Kassena-Nankana District, Ghana, are being used for this study.

A Study of the Circadian Periodicity of *Plasmodium falciparum* Gametocytes in Human Peripheral Blood the Role of Biogenic Molecules.

In achieving efficiency in the transmission of malaria, it is evolutionarily beneficial for the parasite to synchronize blood feeding with peak release of gametocyte in host peripheral blood. Unraveling the molecular basis of this synchronicity represents a challenging biological question and may be very important to developing alternative strategies for blocking transmission. The objectives of this study are to elucidate the circadian periodicity of gametocyte appearance in the peripheral blood of Ghanaian patients, and to identify the role that molecules associated with human circadian rhythm play in malaria transmission.

**Malaria Vector Control**

- Phase III Evaluation to Compare Insecticidal Efficacy and Community Acceptance of Long-Lasting Insecticidal Nets with Conventional Insecticide Treated Nets in Ghana (on-going, Funding Agency – World Health Organization, Switzerland).
- Insecticide resistance and population genetic studies in the *Anopheles gambiae* complex. (Funding Agencies: – NMIMR, WHO/MIM, DFID & Global Fund/GHS-MCP)

**Onchocerciasis**

- Baseline Entomologic Studies and Control of Blackfly vectors of Onchocerciasis in the Lower Volta basin (Funding Agency: Bui Power Authority, Ghana).
  The ultimate goal of the project is to develop a strategy to control blackfly biting nuisance and to reduce the risk of infections to individuals at the Bui Dam site and its environs during the construction of the dam.
- Eco-Health Approach to the Control of Onchocerciasis in the Volta Basin of Ghana (Funding Agency: DFID/ International Development and Research Center, Canada)
  The project seeks to study if, and how, the effects of onchocerciasis can be reduced in Ghana using sustainable community-directed environmental management in drug ivermectin- resistant areas. Specifically, the project seeks to achieve the following: i) Identify factors, which explain the reasons why some areas in Ghana are developing resistance to the ivermectin control of onchocerciasis; ii) Identify vulnerable zones (e.g. mountainous areas where vectors could survive at higher altitudes with global warming or forest areas becoming savanna-like) and predict probable changes in vector ecologies, distributions and transmission efficiencies for policy attention; iii) Assess the suitability of mitigation measures to control onchocerciasis (e.g. sustained means of ivermectin distribution, vector control, immigration screening, afforestation or locally managed control measures at dams and other locations); and iv) Recommend adaptation strategies for endemic communities to enable them cope with the impacts of climate change on socio-economic activities.
- Density-Dependent Host choice by Onchocerciasis Vectors (Collaborative project coordinated by Imperial College, London, UK. funded by the Wellcome Trust, UK)
  This project seeks to investigate, using molecular ecology and mathematical modelling approaches, whether the proportion of blood-meals taken on humans by vectors (the human blood index or HBI) depends on vector
and host density. Current models of vector-borne diseases (VBDs) assume that the value of the HBI is fixed in a particular environment and therefore predict that the case reproduction number (R0) of these infections varies linearly with vector abundance. A non-linear relationship would imply that efforts to control VBDs by anti-vectorial measures could have unforeseen effects on the ability of the parasite to invade and persist in host populations.

- Ivermectin Resistance Studies (Collaborative projects with McGill University, Canada; CSIR-Ghana, La Trobe University, Australia; MDSC, Ouagadougou Burkina Faso; and Funding from WHO/APOC and WHO/TDR.

**Schistosomiasis**

- The Targeted Development of a New Generation Vaccine for Schistosomiasis (TheSchistoVac). The SchistoVac is a FP7-HEALTH-2009 Collaborative project funded by the European Commission, running from Feb 2010 - Feb 2014, coordinated by Leiden University Medical Center)

The SchistoVac will search for exposed proteins and/or glycans of the vulnerable skin stage schistosomula, as safe and effective vaccines. The stage-specific vaccine target selection strategy is based on state-of-the-art schistosomal transcriptomics and glycomics technologies and data, and unique serum and sample libraries from endemic areas. Preclinical in vitro and in vivo testing of protective antigens with respect to cellular responses and effective parasite killing are part of the development pipeline. A unique SME-led approach to potentiate the effect of immunization by use of engineered antibodies will be incorporated into the development of successful vaccine candidate antigens.

- Innate Immune Responses and Immunoregulation in Schistosomiasis: Novel Mechanisms in the Control of Infection and Disease. (Funding Agency: European Union)

**Toxoplasmosis**

- Studies on the Mother-To-Child Transmission Rate of Toxoplasma gondii Infection Among Pregnant Women in the Greater Accra Region. Abstract: Toxoplasmosis is a parasitic disease caused by Toxoplasma gondii. The parasite infects most genera of warm-blooded animals, including humans, but the primary host is the felid (cat) family. Transmission of the infection involves the acquired and the congenital types. Congenital toxoplasmosis is a clinical state of the disease in the foetus that results from an acute primary infection acquired by the mother during pregnancy. It is known to be asymptomatic in immune-competent individuals; however, the case is different in immune-compromised persons such as HIV infected persons and in pregnancy in which the disease could be fatal in the fetuses.

**TEACHING RESPONSIBILITIES**

- Dr William Anyan – School of Nursing, University of Ghana
- Dr Samuel K. Dadzie – African Regional Postgraduate programme in insect science (ARPPIS), University of Ghana
- Dr. Irene Ayi – University of Cape Coast, School of Biological Sciences, Department of Human Biology Medical Helminthology. Mphil Year One – Semester 1
- Dr. Irene Ayi, University of Cape Coast, School of Biological Sciences, Department of Human Biology. Immunology of Host-Parasite Relationship Mphil 1st year – 2nd Semester.
- Professor Daniel A. Boakye – African Regional Postgraduate programme in Insect Science (ARPPIS), University of Ghana; the University of Abomey, Calavi, Benin and the University of Monpellier II, France.
- Professor Kwabena M. Bosompem – School of Veterinary Medicine, University of Ghana

**STUDENTS RESEARCH TRAINING AND SUPERVISION**

- Name of student: Reginald Arthur-Mensah,
  Title of Research: Detection of Toxoplasma gondii and Plasmodium spp Co-infections in Pregnant Women in Accra: A Case Study of Patients attending the Korle-Bu Teaching Hospital.
  Institution: Dept. of Biological Sciences, Kwame Nkrumah University of Science and Technology
  Supervisor: Dr Irene Ayi
  Status: Completed (main supervisor)

- Name of Student: Chris David Neequaye
  Title of Research: Schistosoma and Soil-transmitted Helminth Infections Status in People Living Along the Weija Lake, Ghana
  Institution: Department of Animal Biology and Conservation Science, University of Ghana
  Supervisor: Dr Irene Ayi (main supervisor)
  Status: BSc Awarded 2011,
• Name of Student: Joseph Kwartei Quartey
  Title of Research: Plasmodium infection among pupils in two Insecticide treated Bednet Intervention communities in Ada-Foah
  Institution: Department of Laboratory Technology, University of Cape Coast,
  Supervisor: Dr Irene Ayi (co-supervisor)
  Status: BSc degree awarded in 2011

• Name of Student: Bempong Frank
  Title of Research: A follow-up study on the prevalence and intensity of Malaria and the Socio-cultural Knowledge, Attitude and Practices Among two schools in the Dangme East District.
  Institution: HND Department of Laboratory Technologies, Accra Polytechnic
  Supervisor: Dr William Anyan
  Status: HND awarded in 2011

• Name of Student: Bright Kwesi Idun
  Title of Research: Schistosomiasis Control Follow-up Study of School Based Health Control Programme in Two Basic Schools in the Ada-Foah Sub District, Dangme East District, Ghana.
  Institution: HND Department of Laboratory Technologies, Accra Polytechnic
  Supervisor: Dr William Anyan
  Status: HND awarded in 2011

• Name of Student: Doreen Amankonah
  Title of Research: Polymerase Chain Reaction Detection of Plasmodium falciparum DNA in Saliva Samples of Symptomatic Patients in Accra (Ghana), a Malaria Endemic Area
  Institution: School of Allied Health Sciences, University of Ghana
  Supervisor: Dr. Anita Ghansah
  Status: BSc degree in Medical Laboratory Sciences, thesis submitted in 2011

  **MPhil Thesis Research**

• Name of Student: Emmanuel Adongo
  Title of Research: Epidemiology of Schistosomiasis in the Vea Irrigation Dam Area in the Bongo District of the Upper-East Region, Ghana
  Institution: Department of Medical Microbiology, Kwame Nkrumah University of Science and Technology, Kumasi
  Supervisor: Dr. Irene Ayi
  Status: On-going

• Name of Student: Sarah Opoku
  Title of Research: Effect of Parasitic Diseases on Growth and Academic Performance of School Children in the Central Region, Ghana
  Institution: Department of Animal Biology and Conservation Science, University of Ghana
  Supervisor: Dr Irene Ayi
  Status: On-going

• Name of Student: Naa Adjeley Tawiah
  Title of Thesis: Parasitological and Serological Survey of Schistosomiasis in Two Communities Along the Volta Basin
  Institution: Department of Microbiology, University of Ghana Medical School
  Supervisor: Dr Irene Ayi (main supervisor)
  Status: MPhil degree awarded 2011

• Name of Student: Augustine Odoi-Kpoti Sowah
  Title of Thesis: Sero-epidemiology of Toxoplasma gondii Infection Among Pregnant Women, Infants and HIV/AIDS Infected Persons in Accra
  Institution: Department of Microbiology, University of Ghana Medical School
  Supervisor: Dr Irene Ayi (main supervisor)
  Status: MPhil degree awarded 2011
• Name of Student: Kofi Dadzie Kwofie  
Title of Thesis: Studies on the Mother-To-Child Transmission Rate of Toxoplasma gondii Infection among Pregnant Women in the Greater Accra Region  
Institution: Department of Microbiology, School of Medical Sciences, Kwame Nkrumah University of Science and Technology  
Supervisor: Dr Irene Ayi  
Status: 2010 - on-going

• Name of Student: Emmanuel Awusah Blay  
Title of Thesis: Studies on the Impact of Plasmodium spp and Toxoplasma gondii on Pregnant Women in the Greater Accra Region, Ghana  
Institution: University of Ghana, Department of Animal Biology and Conservation Science  
Supervisor: Dr Irene Ayi  
Status: 2011 – on-going

• Name of Student: Roberta Koku  
Title of Thesis: Genotyping of Toxoplasma gondii in HIV Patients and Blood Donors at the Korle- Bu Teaching Hospital Accra, Ghana  
Institution: Department of Microbiology, University Of Ghana Medical School  
Supervisor: Dr Irene Ayi (main supervisor)  
Status: (2011 - ongoing)

• Name of Student: Elias Asuming-Brempong  
Title of Research: Study on Levels of Eosinophil Cationic Protein and Infection Intensity in a Schistosoma Endemic Community in Ghana  
Institution: Department of Animal Biology and Conservation Science, University of Ghana  
Supervisor: Dr Irene Ayi (main supervisor).  
Status: Completed

• Name of Student: Akua Agyeman-Budu  
Title of Research: Analysis of Plasmodium falciparum NADH Dehydrogenase Gene Sequences Associated with Artemisinin Resistance  
Institution: Department of Biochemistry, University of Ghana  
Supervisor: Professor Michael D. Wilson  
Status: Completed

• Name of Student: Marina Aferibea Tandoh  
Title of Research: Helminth Infections and Nutritional Status of Non-enrolled School Age Children in Irrigated Farming Communities in Bongo District, Ghana  
Institution: School of Allied Health Sciences, College of Health Sciences, University of Ghana  
Supervisor: Professor Michael D. Wilson  
Status: Completed  
Institution: ARPPIS, University of Ghana  
Supervisor: Professor Daniel A Boakye  
Status: MPhil degree awarded in 2011

• Name of Student: Benjamin Amoani  
Title of Research: Inducible Nitric Oxide Synthase Promoter Polymorphism and Malaria Disease Severity in Children in Southern Ghana  
Institution: Department of Animal Biology and Conservation Science, Faculty of Science, University of Ghana  
Co-supervisor: Dr Anita Ghansah  
Status: MPhil thesis submitted in 2011

• Name of Student: Yukie Nogami  
Title of Research: An Evaluation of Transportation Systems for Emergency Obstetric Care for Women with Maternal Complications in the Lawra District, Upper West Region, Ghana  
Institution: Nagasaki University, Graduate School of International Health Development  
Supervisor: Professor Kwabena M. Bosompem  
Status: MPH, On-going
PhD

- Name of Student: Albis Francesco Gabrielli
  Institution: School of Public Health, University of Ghana
  Supervisor: Professor Michael D. Wilson
  Status: Completed

- Name of Student: Michael Osae
  Title of Research: Resting Behavior of Malaria and Lymphatic Filariasis Vectors in Two Ecological Zones and its Implications for Use of Entomophagic Fungi
  Institution: Department of Nuclear Agriculture and Radiation Processing, Graduate School of Nuclear and Allied Sciences, University of Ghana
  Supervisor: Professor Michael D. Wilson
  Status: On-going

- Name of Student: Andrease Kudom
  Title of Research:
  Institution: University of Cape Coast/Ludwig-Maximillian University Munich, Germany
  Supervisor: Professor Daniel A. Boakye
  Status: On-going

- Name of Student: Mckakpo Uri Selorm
  Title of Research: Development of a Urine-Based Malaria Diagnostic Dipstick and Identification of Plasmodium Antigens in Placental Malaria
  Institution: School of Public Health, Department of Biological, Environmental and Occupational Health Sciences
  Supervisor: Professor Kwabena M. Bosompem
  Status: PhD, On-going

- Name of Student: Yirenya-Tawiah Dzidzo
  Title of Research: Epidemiology of Urogenital Schistosomiasis Among Women of Reproductive Age in the Volta Basin of Ghana: Co-infection with Sexually Transmitted Diseases and HIV
  Institution: Department of Animal Biology and Conservation Science, Faculty of Science, University of Ghana
  Supervisor: Professor Kwabena M. Bosompem
  Status: PhD, Completed, 2011

- Name of Student: Agyei-Bieni Juliana
  Title of Research: Characterization of the Epidemiology of Soil-Transmitted Helminths in School Children, in an Endemic Area in Southern Ghana: Implications for Local Policy Action
  Institution: Department of Animal Biology and Conservation Science, Faculty of Science, University of Ghana
  Supervisor: Professor Kwabena M. Bosompem
  Status: PhD On-going

CONFERENCES/TRAINING COURSES/WORKSHOPS ATTENDED

- Dziedzom de Souza attended training course on Poverty Related Diseases in Cameroon from 29 July – 20 August 2011. Training in basic skills for the design and setting up of scientific project within the development context. Course content included science management, career planning, improving the visibility of the individual researcher and resource management.


- Naa Adjeley Tawiah attended the Gordon Research Conferences on “Cellular Systems Biology” held in Charlotte, North Carolina USA from 24_ 29 July 2011

- Dr. William Anyan participated in the Scientific Knowledge and Research Sharing Seminar under the SCHISTOVAC project at the Division of Cellular Allergology, Borstel Research Centre, Germany from 1 -29 July 2011. He gave a presentation on: ‘Basophils are Essential in Egg Induced Immunopathology During S. mansoni Infection in Mice’

- Kwadwo Frempong received training on culturing of trypanosome cells and counting cells using microscope and the Fluorescent Activated Cell Sorting (FACS) machine and the Alamar blue technique to determine viability of cells and parameters of cells such as apoptosis, necrosis, cell cycle etc. at the Tokyo Medical and Dental University (TMDU), Tokyo-Japan from 10 January to 10 February 2011.
• Charles Quaye attended the Capacity Building for Human and Animal Health Research: Research Methodology and Proposal Writing workshop held at NMIMR, University of Ghana, Legon during 14 -25 February, 2011
• William Van der Puije participated in the Immunology in the Tropics Training Course at the Uganda Virus Research Institute, Entebbe, Uganda in March 2011
• William Van der Puije attended the Annual International meeting of the SchistoVac Collaborators in Entebbe, Uganda in March 2011.
• William Van der Puije attended the British Society of Parasitology Spring Meeting in Nottingham, UK.
• Yvonne Aryeetey paid a 3 months’ visit to the Department of Parasitology, Leiden University Medical Center for training in molecular diagnosis of Schistosoma infection in urine, stool and serum samples. The training was aimed at developing a species-specific multiplex PCR method for the detection and differentiation of S. haematobium and S. mansoni in human samples to overcome the challenges of microscopy detection of Schistosoma infections.
• Dr Irene Ayi made a working visit and meeting attended in Tokyo for discussions on the collaborative research between the Section of Environmental Parasitology, Tokyo Medical and Dental University and the Parasitology Department, Noguchi Memorial Institute for Medical Research from 28 February to 12 March 2011. She presented a paper on “Toxoplasmosis in Ghana” on 2nd March 2011
• Professor Michael D. Wilson attended workshop on “Climate and Health in Africa: 10 Years On” held in Addis Ababa from 4-6 April 2011.
• Dr Irene Ayi attended the SchistoVac Annual Meeting, Entebbe, Uganda, March 20 to 22 2011 Presentation on Progress Report on Field work in Ghana made; and Workshop on “Isolation of Peripheral Blood Mononuclear Cells” from 23 to 25 March 2011.
• Dr Maxwell Appawu attended the Stakeholders Meeting on Lf operational research held in Monrovia, Liberia during 14 - 15 February, and 12-15, April 2011.
• Dr Maxwell Appawu facilitated at the Applied Entomology Training course for Vector Surveillance Officers in Liberia during January 2011
• Dr Maxwell Appawu facilitated at the Applied Entomology Training course for Vector Surveillance Officers in Tamale, Ghana, during July 2011
• Professor Daniel Boakye attended the 2nd Integrated Vector Management Stake Holders Meeting, WHO-HQ Geneva, Switzerland from January 13 – 14, 2011. Oral presentation on “IVM activities at the Noguchi Memorial Institute for Medical Research”:
• Professor Daniel Boakye attended meetings to finalize a proposal on Leishmaniasis to the Leverhulme – Royal Society African awards at the Lancaster University during January 16 – 22, 2011. He made a presentation on “The Need for Mapping in Neglected Tropical Diseases and Malaria”
• Professor Daniel Boakye attended the 1st International Symposium on Drug Discovery on intractable infectious diseases at Okayama University, Okayama, Japan on February, 14 2011; Oral presentation on “The Puzzle of the Leishmaniasis Outbreak in Ghana: Parasites, Vectors, Reservoirs and Chemotherapy”
• Professor Daniel Boakye attended– an Informal Consultation Meeting to Develop Guidelines for Monitoring Durability of Long-lasting Insecticidal Mosquito Nets under Operational Conditions, held. WHO-HQ, Geneva, Switzerland from 22 – 25, February 2011, as a WHO Temporary Advisor
• Professor Daniel Boakye attended the Advisory Board Meeting of Bill and Melinda Gates Foundation project entitled “Development a Black Fly Trap to Replace Human Landing Collections for Monitoring Onchocerciasis transmission” Tampa, Florida, USA on 14 March, 2011
• Professor Daniel Boakye attended the Annual Meeting of the Schistovac Project. In Kampala, Uganda from 20–22, March 2011
• Professor Daniel Boakye attended the 1st meeting of the Working Group on Entomological Assessments of Interruption of Onchocerciasis transmission in APOC Countries. Member of Working Group. APOC Headquarters, Ouagadougou, Burkina Faso during 28 – 30, March 2011
• Professor Daniel Boakye – Climate and Health in Africa: 10 years on. Addis Ababa, Ethiopia from 4–7, April 2011 and gave an oral presentation: “Research Opportunities for collaboration with African Bio-medical Research Centres”
• Professor Daniel Boakye attended the 45th Meeting of the Mectizan Expert Committee (MEC)/Albendazole Coordination held in Baltimore, Maryland USA during 27–29, April 2011 as a MEC member.
• Professor Daniel Boakye attended the Leverhulme-Royal Society Africa Award Final Award Committee Meeting, held in London, UK on 13, May 2011 as a Committee Member
• Professor Daniel Boakye attended the WHO Annual Review and Planning Meeting of the Lymphatic Filariasis Elimination Programme. Lusaka, Zambia during 4 – 11, June 2011 as a WHO Technical Advisor.
• Mrs. Shirley Odooom-Paintsil attended the 60th Annual Meeting of the American Society of Tropical Medicine and Hygiene held in Philadelphia, USA during 4 – 8, December 2011.
Dr Anita Ghansah attended a six-months training course in Malaria Genomics at Harvard School of Public Health, Boston, USA from 31 January - 31 July 2011.
Dr Anita Ghansah attended the Gordon Research Conference on Malaria, II at Ciocco Resort, Lucca, Italy during 31 July-5 August 2011.

**APPOINTMENTS/EXTENSION ACTIVITIES**

- Dziedzom de Souza conducted a training of field staff on mosquito collection using the Pyrethrum Spray method and to start studies on the Transmission of lymphatic filariasis in two post-conflict urban cities in West Africa in Monrovia, Liberia from 11 June – 4 July, 2011.
- Naa Adjeley Tawiah was appointed “the assistant secretary of the Ghana Biological Safety Association (GHABISA).
- Dr Irene Ayi mentored and supported the 2010/2011 year group of the National Service Personnel Association (NASPA) of NMIMR to undertake a community health outreach project. It entailed general health screening and subsequently, treatment of Schistosomiasis and Soil-transmitted Helminthiasis for the people of Tomefa, a Schistosomiasis endemic fishing community along the Weija Lake, in collaboration with the Ghana Health Service.
- Dr Maxwell Appawu was appointed a member of the Malaria Vector Control Oversight Committee of the Ghana National Malaria Control Programme.
- Dr Maxwell Appawu was appointed a member of Technical Advisory Committee of Nationwide Mosquito Control Programme of Zoomlion Ghana Limited.
- Dr Maxwell Appawu did extension services for Philia Company Limited, Japan; Global Fund/AngloGold, Ghana, Valent Bioscience, USA and EntoGenex, Malaysia.
- Professor Michael D. Wilson was elected a member of the African Association for Climate Change and Health, Ethiopia in April 2011.
- Prof Daniel Boakye continued as a member of the Mectizan Experts Committee.
- Training of staff of the Malawi National Onchocerciasis Control Programme in S. damnosum cytotaxonomy and sampling for aquatic stages of blackflies.
- Professor Daniel Boakye conducted a training course on Simulium damnosum cytotaxonomy and sampling for aquatic stages of blackflies for students from various Nigerian institutions.
- Professor Daniel Boakye continued as a member of Advisory Board, Bill and Melinda Gates Foundation Project.
- Professor Kwabena M. Bosompem served as Chairman of the Steering Committee for Schistosomiasis Control Initiative Ghana (SCIG); (Since May 2011).
- Professor Kwabena M. Bosompem was appointed as member of the board of the “National Board for Professional and Technical Examinations (NABPTEX) 2010 – 2011.
- Professor Kwabena M. Bosompem was reappointed President of the Ghana Red Cross Society. He has been President since November 2009.
- Professor Kwabena M. Bosompem served as Chairman of the National Technical Committee on School-Aged Deworming, School Health Education Programme, Ghana Education Service (Since August 2009).
- Professor Kwabena M. Bosompem served as Co-Chair of the Bilharzia Control Forum Implementation Committee, Ghana (since May 2011).

**PUBLICATIONS (PEER-REVIEWED)**


• Humphries, Debbie; Mosites, Emily; Otchere, Joseph; Twum, Welbeck; Woo, Lauren; Jones-Sanpei, Hinckley; Harrison, Lisa; Bungiro, Richard; Benham-Pyle, Blair; Bimi, Langibong; Edoh, Dominic; Bosompem, Kwaben; Wilson, Michael; Cappello, Michael (2011). Epidemiology Of Hookworm Infection in Kintampo North Municipality, Ghana: Patterns of malaria coinfection, anemia, and albendazole treatment failure. American Journal of Tropical Medicine and Hygiene, 84(5), 792–800


• Larbi Ia, Klipstein-Grobusch K, Amoah As, Obeng Bb, Wilson Md, Yazdanbakhsh M, Boakye DA (2011). High body mass index is not associated with atopy in schoolchildren living in rural and urban areas of Ghana. BMC Public Health, 11: 469


AWARDS

• Kwadwo K. Frempong attended the International Training Center for Global Infectious Diseases Research (ITC-GIDR) Summer Programme, held at Yale University (USA) from the 8 June to 8 August 2010

• Dziedzom de Souza was awarded a College Training Fellowship to attend the Field Epidemiology Component of Poverty Related Diseases in Malawi from 4 April – 5 May 2011.

• Naa Adjeley Tawiah won a travel award grant from Nature Group Publishers to attend Gordon Research Conference in Charlotte, NC, USA to present on “Serological and Parasitological Survey of Schistosomiasis in Two Communities along the Volta Basin.”

• William Van der Puije was awarded a travel grant by the Wellcome Trust to attend British Society of Parasitology Spring Meeting in Nottingham, UK.

• Dr Anita Ghansah was awarded an Exxon Mobil Malaria Scholar for 2010-2011

• Dr Anita Ghansah was appointed a visiting scientist at the Harvard School of Public Health, Harvard University, Boston, USA in 2011.
STAFF ON STUDY LEAVE/RESIGN/OTHERS

- Abena S Amoah left for University of Leiden, Netherlands in February 2011 to pursue a PhD programme in Parasitology
- Jennifer O. Agyekum left for University of Edinburgh, Scotland in September 2011 to pursue a PhD programme in Biological Sciences
- Irene Akosuah Larbi left for University of Lancaster in October 2011 to pursue a 3-year PhD programme in Epidemiology
- Hilaria Amuzu resigned on personal grounds to travel to Australia
- Josephine Quagraine left in October 2011 for a-year’s internship in Michael Cappello’s Laboratory at the Department of Pediatrics, Yale School of Medicine, New Haven USA.

STAFF

Academic Staff

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LF Project

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DEPARTMENT OF VIROLOGY

OVERVIEW

The major areas of viral research in the department during 2011 were HIV, Influenza, Poliovirus /other Enteroviruses and Viral Hemorrhagic Fever viruses. The department was also involved in diagnostic support for emerging and re-emerging infections such as Lassa fever and Simian Herpesvirus. Capacity building for staff of the Ghana Health Service took place with local and international workshops with development partners (WHO, CDC, US-NAMRU3,). Research staff also attended various local and international seminars that upgraded technical skills, diagnostic techniques with exposure to new research methodology and equipment. Furthermore, Research Fellows contributed to global health at national, international and global levels through keen participation in various committees, meetings and conferences.

STAFFING

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Specific Areas:

HIV

Following the completion of the first national HIV Threshold survey for HIV drug resistance in collaboration with the National AIDS and STI Control Programme (NACP) in the Eastern Region, a second HIV drug resistance survey in treatment naïve HIV patients was launched in two sites in the Central and Western regions.

The socio-cultural and bio-behavioral survey in high and low HIV prevalent areas in Ghana study previously conducted qualitative and quantitative studies in seven study sites. Data analyses were completed to examine socio-cultural and behavioral factors that contribute to high or low HIV prevalence in the selected sites. The study was a research partnership with the School of Public Health and funded by the Ghana AIDS Commission.

In collaboration with the Tokyo Medical and Dental University (TMDU), Japan, investigations to determine the efficacy of antiretroviral drugs (ARVs) in persons undergoing antiretroviral therapy (ART) in the Eastern region of
Ghana continued. Further work was done on an in-house assay for HIV-1 viral load measurements based on a real
time reverse transcriptase polymerase chain reaction platform. Risk factors were also compared to drug therapy and
genotyping was performed to assess the level of HIV-1 drug resistance in the study population.

A cross-sectional survey of known long-term HIV infections was undertaken by NACP, NMIMR and CDC (Global
AIDS Program Division) to estimate the Ghanaian misclassification rate (false recent rate) on assays to measure HIV
incidence. In 2011, specimens collected from study sites in Ghana were tested at the NMIMR, Legon and the CDC,
Atlanta. Low misclassification rates were obtained on the Ghana samples, however, further field validation in a wider
global setting is needed to establish the use of these incidence assays to accurately estimate HIV incidence.

The collaborative studies of anti-viral compounds with the Centre for Scientific Research into Plant Medicine, Tokyo
Medical and Dental University and Nagasaki International University continued to screen crude components of
medicinal plants. Virological assays were run to determine ability to suppress replication of HIV-1 and the induction
of cellular factors that restricts HIV-1 replication. It is hoped that this study will help establish new therapeutic
interventions for treatment of HIV-1 infections in Ghana.

The Ghana Men’s Health Study is an integrated biological-behavioral surveillance survey among men who have sex
with men (MSM) in Ghana to measure HIV prevalence, sexually transmitted infections (STI), related risk behaviors,
and access to prevention and care services. This collaboration is led by the Ghana AIDS Commission with technical
support from the University of California San Francisco and the University of Ghana Regional Institute for Population
Studies with funding from the CDC. This integrated biological and behavioral surveillance survey (IBBSS) has
concluded recruitment at the various study sites and data analyses is ongoing.

The Size Estimation of Female Sex Workers is funded by the Ghana AIDS Commission and implemented by FHI360,
in collaboration with the WAPCAS, Pro-Link, Worldwide International Youth Organization and the NMIMR. This
nationwide IBBSS in all ten regions has been completed and data analyses are underway. The results will provide
valuable information about the dynamics of HIV infection in Ghana to support national efforts to prevent and reduce
HIV and sexually transmitted infections in Ghana.

As part of the nationwide Know Your Status campaign, the NMIMR continued to provide and promote counseling
and testing for HIV for the University of Ghana Legon campus. This activity has been implemented in collaboration
with the University of Ghana Hospital, Legon, enabling a comprehensive HIV and AIDS care, testing and prevention
programs for the Legon campus. With support provided by the NACP, free counseling and testing for HIV infection
has been offered for over 4,000 staff, students and various other non-staff/student that make up the Legon community.
There is a greater awareness within the Legon community about the importance of knowing one’s HIV status and this
illustrates the success of a strategic partnership to implement a targeted HIV intervention program.

The Yale University School of Medicine, University of Ghana Medical School and the NMIMR are cooperating to
investigate biomarkers to monitor responses to antiretroviral therapy in Ghana. A prospective longitudinal cohort of
HIV-infected individuals receiving care at the Korle-Bu Teaching Hospital has been established to study viral and host
markers to determine the efficacy of antiretroviral treatment.

The Virology Department also provided external quality assurance for the NACP led annual HIV Sentinel Survey.

Influenza
The department houses the national influenza center (NIC), a member of the WHO global influenza surveillance
and response system (GISRS). The NIC in close collaboration with the Disease Surveillance Department of the
Ghana Health Service, continued sentinel surveillance for influenza like illness in 22 sites throughout Ghana with
support from the US NAMRU3, CDC and WHO. Weekly updates were provided to the WHO and the Ghana Health
Service, enabling constant profiling of influenza virus activity in Ghana throughout the year. The US NAMRU3
led partnership with the Ghana, Cote d’Ivoire and Burkina Faso Armed Forces, to strengthen military capacity for
influenza surveillance, carried on with technical support from the NMIMR and the inclusion of Togo. Troop education
seminars on zoonotic disease, influenza surveillance, avian influenza pathogenesis, prevention of emerging infections
and biosecurity were conducted in 12 military barracks in Ghana. No evidence was found for the presence of avian
influenza infection in avian samples from domestic households. The Dangme West District of the Greater Accra
region has become a new site for the integrated hospital based infectious diseases study with a component on severe
acute respiratory illness. A comprehensive population based study on influenza is being initiated in this demographic
surveillance site. Onsite technical support for molecular detection of influenza viruses at the Institut de Recherche en Sciences de la Santé (IRSS), Bobo-Dioulasso, Burkina Faso was provided for the Burkina Fasso National Influenza Laboratory. This enabled the restart of influenza surveillance and reporting to WHO by Burkina Fasso.

A molecular epidemiological study of influenza viruses in swine and avian species was undertaken in association with a WHO reference center for avian influenza viruses - the St Jude’s Hospital, Memphis. Avian and swine samples were collected from farms and markets in the Brong-Ahafo, Volta and Greater-Accra regions. Analyses of these samples for the presence of influenza viruses are currently underway. Various manuscripts on influenza virus related surveillance are in preparation for submission to scientific journals.

Polio and other Enteroviruses
The department maintained its status as a WHO Accredited Poliovirus Laboratory in support of the Global Eradication Programme. The Polio laboratory received samples, isolated and characterized poliovirus and other Enteroviruses from acute flaccid paralysis children. Results were reported promptly to the Ministry of Health/ Ghana Health Service and WHO. Since November 2011, the NMIMR Polio laboratory has successfully implemented a new WHO algorithm for real time PCR identification of wild or vaccine-derived Poliovirus for the West African sub region including Togo, Benin and Mali. In December 2011, the Polio laboratory was identified by the WHO as a potential Poliovirus sequencing center for the West African sub region.

Staff of the department supported the Ghana Health Service Polio Eradication Programme through training and actual participation in field work during national immunization days. A manuscript on investigation of Enteroviruses in Ghana has been submitted to the Ghana Medical Journal.

Hepatitis B virus
Work continued to optimize the PCR based efforts to establish the evaluation of Hepatitis B DNA viral load in the samples of liver disease patients in collaboration with the University of Cambridge, UK. The research partnership with the School of Allied Health Sciences, College of Health Sciences, in a project on Molecular Epidemiology of Hepatitis Viruses B, C and D in Relation to Liver Cirrhosis and Hepatocellular Carcinoma also made progress.

Integrated human-animal-vector surveillance
The US NAMRU3 led collaboration on the serodiagnosis of viral infections for integrated human-animal-vector surveillance for endemic and emerging vector-borne and zoonotic pathogens in targeted high risk populations in Ghana continued.

Student supervision/training
The department continued to train postgraduate and undergraduate students from other sections of the University of Ghana such as the School of Public Health, University of Ghana Medical School, and Departments of Animal Biology and Conservation Science; Biochemistry, Cell and Molecular Biology; and Chemistry. Several interns were also received from both local and international institutions. The department organized institutional wide training on Biosafety and for accreditation to work in the Biosafety level 3 (BSL3) facility of the institute. Mr. Kofi Bonney, Chief Research Assistant, has completed and submitted his PhD thesis on Viral Hemorrhagic Fevers which was supported by the VW Foundation, Germany. Dr. Joseph Opare, also completed his Master in Public Health, School of Public Health study program on poliovirus and other enteroviruses.

CONFERENCES, WORKSHOPS, SCIENTIFIC MEETINGS
In the period under review, staff of the department participated in various meetings as follows:
Dr. William Ampofo
- Local Organizing Committee Chair–2nd Annual African Network for Influenza Surveillance and Epidemiology CDC, WHO, US NAMRU-3, Accra January 2011
• Africa Society for Laboratory Medicine Writing Workshop, Kenya, April, 2011.
• Manuscript writing workshop for Influenza studies in Ghana. US NAMRU-3 and NMIMR. Prampram, Accra, May / June, 2011.
• Regional Training Workshop: Building the Capacity for Influenza Sentinel Surveillance Sites in West Africa. Accra, Ghana, June 2011

Dr. James Brandful
• Visited the Tokyo Medical and Dental University (TMDU), Japan in March 2011, on the NMIMR /TMDU research collaboration

Dr. Jacob Barnor
• WJO EPI Managers Meeting for West Africa. Ouagadougou, Burkina Faso; 15-17 March, 2011.
• Brown International Advance Research Institutes (BIARI 2011) 10-25 June 2011 Providence Rhode Island USA:
  b. Efficacy Evaluation of ART in Ghanaian AIDS Patients in an Urban Setting

Dr. John Kofi Odoom
• Attended a training workshop organized by WHO and CDC on influenza serology assays from November 30-December 13 in Atlanta, USA. It sought to enable participants from NICS to detect asymptomatic infections in outbreak investigation, conduct epidemiological studies of virus transmission and determine the seroprevalence of potentially protective antibodies in a population.

Mrs. Evelyn Bonney

Miss. Ivy Asantewaa Asante
• Attended a CDC laboratory management training for Influenza in South Africa, March, 2011

JOURNAL CLUB SEMINARS HELD AT THE INSTITUTE
• Molecular Characterization of Haemorrhagic Fever Viruses Circulating in Northern Ghana
  Speaker: Mr. Kofi Bonney. Date: February 8, 2011.
• WHO Modules of Biosafety and Biosecurity. Module 1: Disinfection, Autoclaving and Waste Management.
  Speaker: Dr. Jacob Barnor, March 3 2011.
• Lessons learnt from Lab Management Course on Influenza in South Africa
  Speaker: Miss. Ivy Asante and Naiki Puplampu. March 24 2011
• Virological Surveillance of Influenza-like illness Among Children Less than 11 years of age in Ghana
  Speaker: Mr. Kofi Bonney. March 30, 2011.

STAFFING
Academic Staff
Senior Research Fellow - 4
Research Fellow - 1
Non-Academic Staff - 21
GOVERNANCE
The School of Nursing is governed by the Board consisting of representatives from the Faculties of Science and Social Studies, University of Ghana Medical School, Noguchi Memorial Institute for Medical Research, School of Public Health, the College library and Heads of the Departments of the School. The Board is chaired by the Ag. Dean and members meet once every Semester to deliberate on policy issues of the School.

ACADEMIC AFFAIRS
The School runs both graduate and undergraduate programmes. The graduate programme comprises M.Phil and MSc. which runs for 24 months and 12 months respectively. Students on both programmes are admitted into the various departments of the School. These are: Adult Health Nursing, Community Health Nursing, Maternal and Child Health, Mental Health Nursing and Research, Education and Administration.

With the start of the 4-year degree programme, undergraduate students will graduate with options in Mental Health, Paediatric, Community Health, Midwifery or General Nursing. From May 2011, the School jointly with the College under the University, the Ministry of Health, the Ghana Health Service, the Korle-Bu Teaching Hospital, Nurses and Midwives’ Council and SickKids International of Canada started a 12-month Certificate in Paediatric Nursing Programme aimed at helping to meet the Millennium Development Goal (MDG) 4 which aims at reducing child mortality and morbidity. The Programme which is in its second year is being sponsored by the Canadian International Development Agency (CIDA) and supported by the SickKids Foundation for a three year period after which it is expected that the Ministry of Health will take over the sponsorship.

FINANCE/FUNDRAISING/DONATIONS
- The School during the period received 141 copies of books donated by SickKids Foundation of Canada
- Fourteen (14) copies of pamphlets on HIV/AIDS and its related issues were also donated by the National AIDS/ STI Control Programme
- The Balme Library donated two (2) books to the School
- World Health Organisation (WHO) donated 10 books to the School.

PHYSICAL DEVELOPMENT
The School of Nursing’s building was painted.

STAFF DEVELOPMENT
- Dr. Prudence Portia Mwini-Nyaledzigbor successfully completed her PhD programme.
- Mrs. Patience Aniteye also had her viva and subsequently submitted the final copy of her thesis for the award of her PhD.
- Ms. Patricia Avadu and Mr. Kwadwo Ameyaw Korsah continued with their PhD Programmes at De Montfort University, Leicester, UK
- Ms. Lydia Aziato had started a part-time PhD Programme at the University of the Western Cape Province, South Africa.

STATISTICS ON STAFF AND STUDENTS
In the year under review, the School had the following number of staff and students:

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>14</td>
</tr>
<tr>
<td>Senior Lecturer</td>
<td>1</td>
</tr>
<tr>
<td>Lecturers</td>
<td>7</td>
</tr>
<tr>
<td>Assistant Lecturers</td>
<td>7</td>
</tr>
<tr>
<td>Part Time Lecturers</td>
<td>14</td>
</tr>
<tr>
<td>Nurse Technicians</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>
Administrative Staff
Assistant Registrar - 1
Senior Staff - 9
Junior Staff - 9
Total - 19

STUDENTS
Undergraduate
Level 100 - 84
Level 200 - 85
Level 300 - 77
Level 400 - 145
Certificate - 40
Total - 431

Graduate
MSc. - 6
M.phil (Year I) - 10
M.phil (Year II) - 10
Total - 26

ACHIEVEMENTS
• In May 2011, the School in collaboration with local stakeholders and SickKids International started the Certificate in Paediatric Nursing Programme, the first of its kind in Ghana and the sub-region. The Programme as already stated is being funded by CIDA with the support of the SickKids Foundation.
• The School has acquired a mini-skills laboratory and two vehicles from this Paediatric Nursing project.
• The School also reviewed various affiliation application documents.
• The School successfully sought the revision of the Memorandum of Understanding (MOU), which existed between the University of Alberta (Canada) and the University of Ghana, School of Nursing on student exchange programme.
SCHOOL OF PUBLIC HEALTH

OVERVIEW
This report gives an account of activities of School of Public Health for the 2010/2011 academic year. The School continued its mandate of training public health professionals through regular training and short courses as well as research and extension activities.

The School is headed by Dean who is assisted by the Vice-Dean. The Heads of Department in charge of the six departments ensured the effective running of the fledgling departments. The School observed some changes in its administrative set up. Prof John Gyapong (former Vice Dean) was appointed the Pro-Vice Chancellor, Research, Innovation and Development (RID) and was replaced by Prof. Richard Adanu. Dr. Augustine Ankomah, a senior lecturer in the department of Population Family and Reproductive Health (PFRH) was subsequently appointed to take over as Head of Department from Prof. Richard Adanu. Mr. Okyere Boateng, Senior Assistant Registrar was transferred from RID to the School to replace Mrs. Lucy Ofori Ayeh, Senior Assistant Registrar who had gone on leave of absence.

Management of the School was carried out by the Dean in collaboration with Senior/Assistant Registrars, Accountant and Heads of Department.

Two academic and 6 administrative staff were appointed in the year under review.

ACADEMIC AFFAIRS

Admissions 2011/2012
The School admitted a total of 187 fresh students to offer various programmes (graduate and undergraduate) The breakdown is as follows:
Master of Public Health - 37
MSc in Clinical Trials - 4
MSc in Applied Health Social Science - 11
Master of Health Informatics - 13
MPhil Applied Epidemiology and Disease Control - 9
PhD in Public Health - 15
Bachelor of Public Health - 98

The candidates were taken through rigorous selection interview and aptitude test.

STUDENTS/STAFF NUMBERS

Breakdown of Students
Post-Graduate
Programme No. of Students
PHD in Public Health 32
MPhil in Public Health 6
Master of Public Health 37
MSc Clinical Trials 4
MSc in Applied Health Social Science 11
Masters in Health Informatics 13
TOTAL 103

UNDERGRADUATE
Bachelor of Public Health

LEVELS
400 61
300 95
200 76
TOTAL 232

Total 335
Approved Programmes
The University Academic Board has approved the introduction of MSc in Occupational Health and MSc in Occupational Medicine in the 2012/2013 academic year. These programmes are intended to churn out graduates who will be imbued with the expertise to inform policy decision and also to roll out policies to address occupational hazards especially with the production of oil in the country and other related work hazards.

Short Courses
Among some of the short courses include Monitoring & Evaluation (M&E) Malaria and HIV/AIDS which seeks to train people to acquire the relevant M&E skills specific to malaria and HIV/AIDS. It is interesting to note that the School in collaboration with Ghana AIDS Commission and Morehouse School of Medicine with funding from CDC trained 98 focal persons selected across the country to monitor and evaluate HIV/AIDS interventions as instituted by the authorities and provide adequate reports to inform national response policy. This year the focal persons will be given additional training in Data Analysis and Interpretation to enable them produce accurate and quality reports on HIV/AIDS interventions. The other courses include:

Physical Development
On recommendation by the School Board a master plan of the school has been designed for development to be carried out in phases. The completion of the project is expected to reduce the pressure on the use of the existing facility by providing additional lecture halls, administrative block and offices for lecturers.

Painting of the School is on-going to give the school a face lift. The School has suffered the theft of its computers and other valuable items as a result of which CCTV has been installed at vantage points to avert this practice. All lecture halls have been provided with LCD and public address (PA) systems to give the school a semblance of a modern School of Public Health. The school can boast of a state-of-the-art library with e-board and electronic reference library which is accessed by staff, students and stakeholders. In addition, an exercise to upload all dissertations/thesis on-line has commenced in earnest.

When completed, it will afford our stakeholders and District Health Directorates access to the findings and recommendations of studies conducted in the districts by our students to inform policy decision of the Ghana Health Service. It will also help check plagiarism of published works by students who are carrying out their research.

STAFF DEVELOPMENT
The quality of students/graduates of Public Health resides in the quality of staff. For this reason, the school organized a training workshop for the academic staff to enhance their pedagogical skills for effective lesson delivery. Facilitators were drawn from the University of Education, Winneba. Post training responses from faculty and students are reflective of the relevance of the training.

Dr. Phyllis Dako-Gyeke went for a one year post doctoral fellowship at the University of Michigan, USA. The procurement officer had a 2 week training in procurement to upgrade her skills in procurement.

PUBLICATIONS
The faculty made significant contributions to knowledge and literature through the publication of their works. These include the under listed:


• Ansah EK, Narh-Bana S, Epakor M, Akanpigbiam S, Quartey AA, Gyapong J, Whitty CJ. Rapid testing for malaria in settings where microscopy is available and peripheral clinics where only presumptive treatment is available: a randomised controlled trial in Ghana. BMJ. 2010 Mar 5;340:c930. doi: 10.1136/bmj.c930.


Akweongo, P; Agyei-Baffour, P; Sudhakar, M; Simwaka, B N; Konate A T; Adongo, B P; Browne, ENL; Tegegn, A; Ali, D; Traore, A; Amuyunzu-Nyamongo, M; Pagnoni, F; and Barnish, G (2011). Feasibility and acceptability of ACT for the community case management of malaria in urban settings in five African sites. Malaria Journal. 10:240/1186 pages 1475-2875.


Book

PROJECTS/RESEARCH IN PROGRESS
• INESS/INDEPTH
• GEHIP— Ghana Essential Health Interventions Project

CHALLENGES
The school is currently battling for space for lecturers, administrative staff and students which is affecting effective service delivery, teaching and learning. It is against this backdrop that the school has expended so much on the design of a master plan of the school and set aside some funds for the project.

A considerable number of donors who have expressed their willingness to support the project have tied their support to the commencement of the project; unfortunately over two years after the process began for the award of the contract, the project has not started because of contractual issues. It is anticipated that if these issues are not given the needed attention donors may withdraw their pledge and this may affect the school greatly in its infrastructure development.

We are hoping that as the University clamours to attain a world class status these bottlenecks will be removed to pave the way for the commencement of the project this year.
SCHOOL OF ALLIED HEALTH SCIENCES

OVERVIEW
The School of Allied Health Sciences was established 11 years ago to train and meet Ghana’s demand for Allied Health Professionals through the provision of academic and professional knowledge. The School therefore seeks to support the mission of the University and College of Health Sciences by producing highly qualified and competent allied health professionals who will provide preventive, promotive, curative and rehabilitative services to meet the health needs of the nation and the global community.

PROGRAMMES

Undergraduate:
- BSc. in Medical Laboratory Sciences
- BSc. in Physiotherapy
- BSc. in Radiography (Diagnostic and therapy options)
- BSc. in Dietetics
- BSc. in Occupational Therapy (to commence in September, 2012)

Postgraduate:
- MSc. in Dietetics
- MSc. in Audiology
- MSc. in Medical Ultrasonography (to commence in September, 2012)

STUDENT NUMBERS
Undergraduate: 458 students
Postgraduate: 16

STAFFING
Academic Staff - 39
Non-academic Staff - 75

VISITORS TO THE SCHOOL
Latter Days Saints delegation from the USA

BENEFACTORS
- Latter Days Saints, USA
- Fairline Imex Ltd/Biotech/Himedia
- Quest Healthcare Ltd.
- Lynch Medical Services
- Lahbhouse Ltd.
- Ghana Society of Radiographers
- National Centre for Radiotherapy and Nuclear Medicine

PUBLICATIONS
- Ghana Journal of Allied Health Sciences

PROJECTS/RESEARCH IN PROGRESS
None at the moment

CONFERENCES/WORKSHOPS/SEMINARS
- Workshop on phlebotomy
- Cell Biology workshop
- Dean’s retreat
SCHOOL OF PHARMACY

OVERVIEW
The year under review was the third since the establishment of the UG School of Pharmacy. Academic and administrative duties were carried out successfully. Additional structures were put in place to ensure a comprehensive academic function of the departments.

Lectures and practical sessions were run with the continued assistance of cognate schools and departments in the University and the College of Health Sciences. The School also successfully conducted fortnightly seminars at which its faculty presented research findings in work they were involved in.

The challenge of inadequate infrastructure was partially resolved when the former Biochemistry Department building was handed over to the School as a temporary location. Though still inadequate to house five departments, the School now has two average sized laboratories, 2 classrooms and a library, all to seat a maximum of 35 students, and a few offices for its faculty and administrative staff.

The third batch of students (29 in number) enrolled in the school thus increasing the student population to 86. Resident at Legon, these students were conveyed by bus to Korle Bu for some of their lectures and practicals.

The administration of the School has been very busy with staff development by encouraging and supporting faculty to pursue higher degrees. As a result, two senior members were awarded study leave with pay to attain their PhDs.

At the same time, a few more staff, academic and otherwise have been added to school to match the growing demands for both teaching and administrative duties.

NUMBER OF STAFF
Academic/Senior Administrative & Professional (Full Time) - 8
Senior staff - 8
Junior staff - 7
Part time academic staff: - 20

STUDENT NUMBERS
Undergraduate: - 87
Female - 31
Male - 56

RESEARCH
• Therapeutic potential of Medicinal Plant products
• Natural products with anti-inflammatory properties
• Antimicrobial properties of medicinal plants
• Pharmacokinetic profile of pharmaceutical formulations
• Preclinical safety evaluation of medicinal plant products
• General pharmacological screening of medicinal plant products

CONFERENCES/WORKSHOPS/SEMINARS
• 28th October 2010 - Inter faculty lecture by Prof. A.C. Sackeyfio, ‘Drug induced diseases’.
• 3rd March 2011 - Inter faculty lecture by Prof. A.C. Sackeyfio, ‘Drugs, alcohol and sex’.
• 22 – 24 September 2010 - Faculty participated in the 4th Annual Scientific Conference of the College of Health Sciences.

VISITING LECTURER
Dr. Jill Barber from the University of Manchester, UK, delivered lectures and seminars in the School from 17 – 23 January 2010.
OVERVIEW
The year under review saw various departments and units in the Faculty offering undergraduate and post-graduate courses to students. Research output has been quite steady, with members of the Faculty churning out twenty three (23) academic books, sixteen (16) chapters in books and thirty three (33) peer reviewed journal articles.

During the same year, three colleagues were promoted to the rank of Professor, two to Associate Professor, and four to Senior Lecturer. The academic staffing situation saw modest improvement in all departments. Seventeen academic staff were appointed to various departments in the Faculty as follows: Two lecturers, eight Assistant lecturers and five Visiting Scholars. Three members of the faculty also went on retirement.

Also, three colleagues and two graduate students were awarded the American Council of Learned Societies (ACLS) African Humanities Programme (AHP) Fellowship to work on their post doctoral and graduate research projects respectively.

Again, the faculty continued to facilitate programmes of some university colleges and seminaries that are affiliated to the University of Ghana. Requests for new affiliations with other Departments/Schools within the Faculty have been received and processed for onward approval.

In addition the Faculty and its various departments/units hosted several international scholars. Invariably, every department strengthened its links with famous universities and scholars worldwide. Our links with international partners were intensified, particularly in the area of collaborative research, joint supervision of doctoral theses as well as staff and students exchanges.

In April 2011 the Faculty held its 9th Annual Colloquium under the theme ‘Creating in Diversity: Exploring our Differences for Nationhood.’ The main speaker was Professor Esi Sutherland Addy. This was well attended and provided a unique avenue for members of faculty, both lecturers and graduate students, to present their various researches on various subjects areas. This was followed by two faculty retreats, on in April and the other in June. At these retreats the participants, all members from the faculty, prepared and agreed on a five-year strategic plan which is aimed at the development of the faculty in terms of research, publication, graduate program and staff development.

DEPARTMENT OF ENGLISH
OVERVIEW
The Department successfully carried out its main obligations of teaching and research in the 2010/2011 academic year, despite having to accommodate the teaching load of three senior members who went on sabbatical leave. The situation was somewhat ameliorated by Dr. Edward Sackey’s resumption of duty after a year of research and extension activities at Carleton University, Canada. One new Assistant Lecturer was appointed to strengthen our capacity in the Language Option, while another who had been temporarily employed to assist with teaching Literature at the Accra City Campus secured a regular appointment.

However, full time faculty with terminal degrees are needed to boost our capacity, both for the graduate programme, which has so far been sustained mainly by faculty on part time and on post retirement contracts, and for the undergraduate programme.

Dr. Jemima Anderson was promoted to Senior Lecturer while away on sabbatical leave.
Our graduate programme continues to take strides in producing MPhil. and PhD. graduates. The two newly appointed Assistant Lecturers already mentioned both came out of the programme. In the year under review, two new PhD. holders at the Language Centre graduated from our Department, as did several MPhil. graduates now teaching at the University of Cape Coast, the University College of Education in Winneba (UCEW) and Methodist University College, among others.

In the area of international collaboration, two PhD. candidates from our Department and a third from UCEW received financial support and research training in Britain through Prof. Kari Dako’s British Academy funded research project, which she jointly runs with Dr. Jo Shoba of Edgehill University in the U.K. Dr. Anderson and Mr. Frimpong Kodie, an Assistant Lecturer and a PhD. candidate in the Department, visited Germany as part of the provisions under the Department’s exchange programme with Justus Lieberg University, co-ordinated by Prof. Dako. The Department hosted the first batch of five undergraduate students from Justus Lieberg in the first semester of the 2010/2011 academic year, and five of our students spent the second semester in Germany. One MPhil. student, Osrema Owusu-Yeboah, has also just returned after a year at the North Carolina State University in the U.S.A.


Three of our young faculty has had at least one article each published or accepted for publication. Other publications by faculty members, solely or jointly, include six journal articles.

In order to step up faculty research, the Department organized two workshops to train junior faculty in proposal writing and to produce research proposals for Departmental projects. Three proposals on language, literature and film are now ready to be submitted for funding.

The Department co-sponsored and co-organized the international conference of the Society for Pidgin and Creole Languages (SPCL) which took place at the University of Ghana in August 2011. The conference attracted participants from all over the globe, the University of Ghana and the rest of the country. Six faculty from the Department presented papers at the SPCL. Several faculty and some graduate students also did presentations at Department seminars, the 2011 Faculty of Arts Colloquium, the 2011 Linguistics Association of Ghana conference in Kumasi and at a number of other international conferences outside Ghana.

**COURSES OFFERED**
- Bachelor of Arts
- MA/M.Phil in English
- PhD in English

**STUDENT NUMBERS**
The students’ population during the year under review was 1332. The breakdown is as follows:

**Undergraduate:**
- Level 100: 483
- Level 200: 369
- Level 300: 246
- Level 400: 140
- International Students: 67

**Graduate:**
- Level 600(Yr.1): 9
- Level 600(Yr.2): 9
- PhD: 9
NUMBER OF STAFF
The staffing position of the Department of English in the year under review was 39, made up of 23 Senior Members and 3 Senior/Junior Staff. The breakdown was as follows:

- **Academic**
  - Professor (Contract) - 1
  - Associate Professors (Contract) - 4
  - Professor (Part-time) - 1
  - Associate Professors (Part-time) - 2
  - Senior Lecturer (Part-time) - 1
  - Associate Professor - 1
  - Senior Lecturers - 4
  - Lecturers - 5
  - Assistant Lecturers - 4

- **Administrative/Other**
  - Administrative Assistant - 1
  - Clerk Grade II - 1
  - Cleaner/Messenger - 1

PUBLICATIONS

Dako, Kari

Mensah, Augustine

Yitah, Helen
- A Review of Kofi Anyidoho’s The Place We Call Home. Daily Graphic, September 6, 2011, p.10.

Denkabe, Aloysius
- With D. Cobberal, English for Senior High Schools Book 4 for UNIMAX/MACMILLAN. 2010.
- With D. Cobbetal Teacher’s Guide. Teacher’s Guide to English for Senior High Schools Book 4 for UNIMAX/MACMILLAN 2010

Sackey, Edward

Anderson, Jemima

Adjei, Mawuli
- Introduction to Punctuation (Kwadoaan Publishers, Accra, 2010).
Moffatt, Victoria


Frimpong, George Kodie

A Look at How Students in the University of Ghana Realise Final Stops in Monosyllabic Words; in Legon Journal of the Humanities Vol 21, 2010, pg 181 – 197; by Kari Dako and George Frimpong Kodie.

PAPERS AND OTHER WORKS YET TO BE PUBLISHED

Dako, Kari

- Student Pidgin: a Masculine Code Encroached on by Young Women. (In press (John Benjamins) in Language and Gender in Sub-Saharan Africa.) (Kari Dako)
- Attitudes towards spoken and written varieties of English in Ghana. (for IJSL). (Kari Dako and Millicent Quarcoo).
- ‘i didn’t know fake has officially been given a name lol’: The phenomenon of ‘Locally Acquired Foreign Accent’ (LAFA) in contemporary Ghana. (Kari Dako, Elizabeth Quartey and Jo Shoba).
- When words of ethno-cultural significance enter the colonial language, is it ‘two ADONTENHENES’ and ‘two AWOAMEFIAS’? (Kari Dako).

Mensah, Augustine N.


Yitah, Helen


Sackey, Edward

- Why Are We So Blest?: The Author as Producer of Collaborators, submitted to The Nordic Journal of Africa Studies for publication.

Adika, Prince K.

- “Marking Transgressive Spaces and Bodies: A Review of Contemporary Ghanaian Poetry,” (Accepted for publication in Legon Journal of the Humanities)

RESEARCH PROJECT/ACTIVITIES

Dako, Kari

- Pidgin, Broken English and Stereotyping in Ghanaian Literary Texts. (Kari Dako and Helen Yitah).
- Other research: Youth Language in Ghana.
- Varieties of English in Ghana.
- Spent three weeks at Edge Hill University in November-December 2010 under the British Academy agreement with our three PhD candidates who were in Edge Hill to prepare their project proposals and thesis framework.
- Coordinated the University of Giessen/University of Ghana ISAP agreement.
- Supervision of PhDs, M.Phils and Long Essays.
Mensah, Augustine N.
• Chairman, Panel of Jurors, BURT AWARD for Youth Literature in Ghana organized by the Ghana Book Trust, 2011.
• External Examiner, 6 M.Phil Dissertations, from KNUST, 2010 – 2011.
• Visiting Professor, University of Lome, Togo, June, 2011.

Yitah, Helen
• Working with Texts (a book project in collaboration with A. Denkabe).
• Wrote out two proposals on literature and film based on ideas from two Departmental Proposal Workshops in 2011. The proposals are ready to be submitted for funding.
• Worked on ongoing paper: “Gender Identity in Mabel Dove-Danquah’s ‘The Adventures of the Black Girl in Search of Mr. Shaw’.”

Denkabe, Aloysius
• Working with Texts, UG Research Funded Project (with Dr. Yitah)
• Tell me a Story (Folktale Project for Children’s Book)
• Senior High School English Text Book

Keleve, Mary
• A Study of Some Grammatical Features of Advertisements in Ghana
• Structured Favourites in Ghanaian English Usage.

Sackey, Edward
• His book project on What is Africa Doing with the Novel? is at an advanced stage of completion. He is left with the Conclusion.
• He is also revising his 1990 MPhil. Dissertation -- The Novels of Ayi Kwei Armah and the African Oral Tradition -- for publication into a book.

Anderson, Jemima
• Research Fellow (2010) American Council of the Learned Societies/African Humanities Program.
• Research Fellow 1st March, 2011- 30th May 2011 Centre for Humanities Research, University of the Western Cape, Cape Town, South Africa.
• Exchange Faculty, 1st June to 30th June 2011 UG-Justus-Leibig University, Giessen, Germany.

Adjei, Mawuli
• Research in film, video and multimedia culture in West Africa as a carry-over from African oratures
• Research in contemporary English loan-words in Ewe and their implications for code-switching, code-mixing and translation studies.
• Course Director: Communication Skills Training Course for GIPC Staff, Alisa Hotel, Accra, August 19-21, 2010
• Course Director: Communication Skills Training Course for GIPC Staff, Alisa Hotel, Accra, October 20-22, 2010
• Course Director, Training Course for GIPC Staff on Multicultural Communication, Mensvic Grand Hotel, East Legon, Accra, June 20-22, 2011.
• Editorial services (with Prof Kofi Anyidoho) for the Goethe Institut and Sub-Saharan Publishers on Jakob Spieth’s Study of the Ewe Peoples, Sub-Saharan Publishers, Accra, 2011).

Dzregah, A. E.
• Writing and Grammar Workshops for Selected Christian Youth. Sept-Dec 2010.
Adika, P.K.
• Facilitator, Mbasem Workshop on Creative Writing (Poetry), November 2010.

PAPERS PRESENTED

Dako, Kari
• Presented a paper at an Inter-University Research Seminar, Edge Hill University, November 2010:
• When words of ethno-cultural significance enter the colonial language, is it ‘two adontenhene’ or ‘two adontenhenes’ and ‘two awoamefia’ or ‘two awoamfias’?

Yitah, Helen
• Plenary Paper: “Creating in diversity: The Role of the Literary Arts”, presented at the 2011 Faculty of Arts Colloquium.

Sackey, Edward
• “Wizard of the Crow: Ngugi’s Poetics of Pain” Paper Presented at the Fortieth Anniversary of the Canadian Association of African Studies Conference, Carleton University, Ottawa, Canada May 9-12, 2010. It is under consideration for publication.

Adjei, Mawuli
• ‘To Air is Human: The Domestication of English Idioms and Phrasal Verbs in Ghanaian Parlance’, Annual Linguistics Association of Ghana Conference, Department of Linguistics, University of Ghana, Legon, August 11-13.
• ‘Globalization, Power, Marginality and the Contemporary Trickster Character in West African Video Productions’, 9th Annual Faculty of Arts Colloquium, Great Hall, University of Ghana, Legon, April 12-13, 2011.

Adika, Prince K.
• “The Transnational Logic of Contemporary Ghanaian Poetry,” Faculty of Arts Colloquium, April 2011.

Frimpong, George Kodie
• Comparative Structures in Ghanaian English; Presented at the Faculty of Arts Colloquium, April 2011.
• The Semantic Prosody of Common Lexical Verbs in Ghanaian English; Presented at Linguistic Association of Ghana Conference, August 2010.

Osei-Tutu, Kwaku
• Presented two papers with Prof. Dako at the Sixth International Conference on Youth Language at the University of Freiburg, Germany in April 2011:
• Student Pidgin: an Emerging Ghanaian Youth Language, and
• Semantic Masking in English Lexical Borrowings in Student Pidgin (SP).
• Attitudes Towards Pidgin English in Ghana (Jointly presented with Dr. Anderson): SPCL Conference held at the University of Ghana, Legon. August 2011.

BOOK PROJECTS

Yitah, Helen
• (with Mr. Denkabe). Working with Texts: A Book for Literary Criticism, a UG Research Fund project. Completion date is 30th October 2011.
Mensah, Augustine N.
• Theory and Practice of Criticism, due out in 2011 by I.E.D.E.

CONFERENCES/WORKSHOPS/SEMINARS

Dako, Kari
• International Conference on Youth Language at the University of Freiburg, Germany in April 2011 with Kwaku Osei-Tutu. We presented two papers: Student Pidgin an Emerging Ghanaian Youth Language, and Semantic Masking in English Lexical Borrowings in Student Pidgin (SP).
• SPCL (Society of Pidgin and Creole Languages) International Conference at the University of Ghana in August 2011. Presented paper with Helen Yitah: Pidgin and Stereotyping in Ghanaian Literary Texts.

Mensah, Augustine N.
• Resource Person, Departmental Workshop on Research Proposal, Yiri Lodge, April 2011.

Yitah, Helen
• Presenter and Facilitator, Department of English Workshop on Proposal Writing, Forest Hotel, Dodowa, February 4-5, 2011.
• Coordinated Department of English Workshop on Research Proposals, April 2011 (three research proposals have been completed).
• Presented a plenary paper at the 2011 Faculty of Arts Colloquium.
• Presented a paper (in collaboration with Kari Dako) at the 2011 conference of the Society for Pidgin and Creole Linguistics.

Anderson, Jemima

Adjei, Mawuli
• Participant: Department of English Workshop on Proposal Writing, Forest Hotel, Dodowa, February 4-5, 2011.
• Participant: 9th Annual Faculty of Arts Colloquium, Great Hall, University of Ghana, Legon, April 12-13, 2011.

Dzregah, Augustine E.

Frimpong, George Kodie
• Workshop on research methodology; Linguistic Association of Ghana, Winneba; January 5, 2011.
Osei-Tutu, K.
• Participant: International Conference on Youth Language at the University of Freiburg, Germany in April 2011.

AWARDS
Anderson, Jemima
• American Council of the Learned Societies/African Humanities Award, 2010.

VISITORS TO THE DEPARTMENT
• Prof. Magnus Huber - University of Giessen in Germany (November, 2010) Maybritt Almaz Kwabea Ohene – Visiting Student, University of Southampton (January 10, 2011)
• Dr. Andrea Rummel, a Visiting Scholar from Institut für Anglistik Justus-Liebig-Universität Giessen, Germany from 27th February to 13th March, 2011.
• Mr. Sebastian Schmidt, a Visiting Phd Student from Justus-Liebig-University Giessen, Germany.

BENEF ACTIONS
• The Department benefited from a number of books donated by Prof. Anne Adams

LANGUAGE CENTRE

OVERVIEW
During the year under review, the Language Centre continued to teach Academic Writing which is a University of Ghana Required Course (UGRC) as well as run various English Proficiency Courses for participants from non-English speaking countries. Some Research Fellows conducted research into aspects of English language teaching (particularly Academic Writing) and Language in Education, while others focused on Ghanaian languages, specifically in the areas of lexicography and language documentation in relation to minority languages. Mr. David Odoi completed his PhD programme in English in the Department of English, University of Ghana and is awaiting the determination of his results. Dr. Gordon S.K. Adika is on his two-year sabbatical leave and is expected to resume on August 1, 2011. Mrs. Stella Boateng Norgbe and Mrs. Nana Ama Agyeman are both on study leave. As in previous years, the Centre hosted students from James Madison University, United States of America, and offered a special English Proficiency course to technocrats and administrative personnel from the Ministry of Mines and Energy, Equatorial Guinea.

COURSES
The Language Centre ran the following programmes:
• Certificate of English Proficiency
• UGRC 110: Academic Writing
• LANG 200: Academic Writing

STUDENT NUMBERS
• Certificate of English Proficiency: - 27
• UGRC 110: Academic Writing: - 4,691
• LANG 200: Academic Writing: - 433

STAFFING POSITION
The breakdown of staff during the academic year was:
• Senior Research Fellow - 1
• Research Fellows - 5
• Tutors - 3
• Part-Time Lecturers/Tutors - 8
• Senior Staff - 4
• Junior Staff - 5

PUBLICATIONS
Ahadzie, Evelyn Sika
Akrofi-Ansah, M.

Arhin, Vera E.M.
• The Impact of Oral Discourse on Undergraduate Academic Writing. Elsevier (forthcoming).

Dorvlo, G.E.K.

RESEARCH PROJECTS/ACTIVITIES

Ahadzie, Evelyn Sika
• Contemporary Discourse Influence of Technology on Discourse

Akrofi-Ansah, M.
• Multilingualism in Ghanian Communities with Special Reference to Larteh.
• Documenting Ltt Grammar

Allotey, Seth Nii Moi
• Usage of the Ga Language in the Greater Accra Region and the Extra-territorial’s.

Arhin, Vera E.M.
• Handling Plagiarism Revisited: What drowns the Voice in Undergraduate Academic Writing.
• Handling Large Heterogeneous Classes

Dorvlo, G.E.K.
• Logba-English-Ewe Dictionary – Editorial Work
• Language and Performance in Schools in Minority Language Areas

Odoi D.A.
• Elements of the Autobiography in the West African Novel
• The Autobiography as a Collective History of a People
• Westernization in Oral Literature

CONFERENCES/WORKSHOPS/SEMINARS

Akrofi-Ansah, M.
• Expressing Alienable Possession in Ltt. 42nd Annual Conference o African Languages, Literatures and Cultures. June 11, 2011.

Arhin, Vera E.M.
• Adopting a Process-driven Approach to Teaching Writing Skills at the Undergraduate Level. January 31, 2011.

Dorvlo G.E.K.
DEPARTMENT OF LINGUISTICS

OVERVIEW
In the 2010/2011 academic, Prof. Kofi Agyekum took over from Dr. K. K. Saah as the new Head of Department form the 1st of August 2010. Peace and cordiality prevailed among the academic staff as well as the supporting staff. Four of our senior members got promoted in the 2010/2011 academic year; Prof. Kweku Osam and Prof. Kofi Agyekum were promoted to the ranks of Full Professors; Prof. Nana Aba Amfo Appiah, to Associate Professor and Dr. Evershed Amuzu to a Senior Lecturer. Members of staff continued with their teaching, research and publication. Three full-time senior members continued with their Ph.D. Linguistics Programmes. Two of them, Grace, Bota and Clement K.I. Appah, are at the University of Lancaster and Yvonne, Agbetsoamedo, is at the University of Sweden.

COURSES OFFERED
The department continued to mount all its B.A, M.A Sandwich TESL, M.Phil and PhD programmes. We offered both core and elective courses such as Syntax, Phonetics and Phonology, Ghanaian Language courses, Sociolinguistics, Theory of Language Learning, Pragmatics, Discourse Analysis, Pidgins and Creoles, Sign Language and language and law.

The Department restructured its Ghanaian Language Courses targeted mainly at foreign students who want to take advantage of their stay in Ghana to learn a Ghanaian language. The approved courses are GHLS 111, GHLS 112, GHLS 113 and GHLS 114. They provide beginners, intermediate and advanced courses in Ghanaian languages in both their spoken and written aspects. They are aimed at providing the students with survival-level skills in the various languages.

The department organized a Conference on Sign Language in August 2010 and it was well attended by participants from the University of Education, Winneba and others from the various Schools for the Deaf.

The department also continued with its three major projects namely, Akan Terminology, Akan Verb Project and Ewe Contact Research Project.

Students’ Numbers
Undergraduate:
Level 100: 544
Level 200: 386
Level 300: 493
Level 400: 244

Graduate students
Level 600: 14
PhD: 5
Total: 1667

M.A. (TESL) Sandwich: 33

STAFFING
Academic Staff: 8
Non-Academic Staff: 7

PUBLICATIONS/PAPERS PRESENTED
Agbedor, P.K.

Agyekum, Kofi

Akanlig-Pare, George

Amfo, Nana Aba Appiah
• (2011) The Dangme Clausal connective nr; The Journal of West Africa Languages Vol. XX140 No 1, 53-68

Amuzu. Evershed Kwasi

Saah, K.K.

Saanchi, J.A.N.

RESEARCH PROJECTS/ACTIVITIES

Agbedor, P.K.
• Language and National Integration
• Metaphorical Use of Body Parts in Ewe and Akan

Agor, John Tetteh
• Investigating Formal English Writing Inadequacies of University Students in Ghana.
Agyekum, Kofi
- Language of Campaign Promises
- Lexicology and Lexicography: Akan-English Glossary
- Akan Amannebo
- Akan Palace Language
- Language of Akan Thanking
- Language Documentation
- Language and Conflict
- Akan Cognitive Semantics: Body Part Expressions: Ani, Ano and Ho
- Language of Drug Peddlers
- Akan Media Language and Radio
- Akan Verb Project: Department of Linguistics
- Development of Akan Terminology: TALIF Project University of Ghana Projects.

Akanlig-Pare, George
- Phonology-Syntax Interface in Buli
- Adult Literacy and Adult Literacy Practices
- Language and Law
- Sign Language Linguistics Tone in Gur

Amfo, Nana Aba Appiah
- Information Structure in Kwa
- Semantics and Pragmatics of Function Words
- Negation in Akan
- Diminution in Akan

Amuzu, Evershed Kwasi
- Winding up the Ewe contact research started in 2009: Investigating aspects of grammatical structure in Ewe-English, Ewe-French and Logba-Ewe codeswitching.

Hudu, F.A
- Dagbani focus particles
- Dagbani vowel harmony: triggers, targets, blockers.
- Dagbani vowel phonology: a competition between constraint hierarchies

Saanchi, J.A.N.
- Grammar of Spatial Relations
- Syntax and Semantics (Dagaare, English)
- Oral Literature

Saah, K.K.
- Aspects of Akan Syntax
- Tense and aspect
- Reduplication

CONFERENCES, WORKSHOPS AND SEMINARS
Agyekum Kofi
- (2011) International Conference on Pidgins and Creole Languages Legon 3-6th August Legon
- (2010) Conference on Sign Language University of Ghana

Akanlig-Pare, George
- Palatalization in Buli: Triggers, Targets and Ouputs. A paper presented at the Department of Linguistics Staff and Graduate Students Seminar series.
- A Study of the Structure and Function of Tone in Kusaal, Nabt and Talni. An ACLS/AHP funded Project presented at the ACLS Fellows Seminar, University of Ghana, Legon.
Amfo, Nana Aba Appiah

Hudu, F.A
- What does it mean for a vowel to be [+ATR]? A research paper presented to the Department of Linguistics, University of Ghana.
- What Dagbani tells us about markedness in phonology? A research paper presented to the Department of Linguistics, University of Ghana.

CONFERENCES/WORKSHOPS/SEMINARS HELD
- (2011) International Conference on Pidgins and Creole Languages Legon
- (2011) Linguistics Association of Ghana Annual Conference at KNUST
- (2010) Conference on Sign Language University of Ghana

VISITORS TO THE DEPARTMENT
- Prof. Kwasi Agyeman, Rector, ETI
- Nene O. Issembe, Head of English Department, USTM, Gabon.
- Karim Bukar, Department of Language and Linguistics, University of Maiduguri, Nigeria.
- Christopher Collins, NYU-USA.
- Professor Felix Ameka: Visiting Professor January –July 2011

DEPARTMENT OF MODERN LANGUAGES

OVERVIEW
The Department of Modern Languages has continued to contribute towards the overall mission of the University directed at developing world-class human resources and capabilities to meet national development needs and global challenges. A Bachelor of Arts programme in Translation has been introduced and the MA and MPhil programmes have been reviewed and are awaiting final approval. In 2010 the Council of the University of Ghana approved the proposal to convert the Department into a School of Modern Languages and Translation. The process of conversion has started with the delineation of a separate Department of French while the other language Sections, namely Arabic, Chinese, Russian, Spanish and Swahili, would initially continue to function under the Department of Modern Languages. These Sections would gradually be nurtured into separate departments which would eventually form the component units of the School of Modern Languages and Translation.

COURSES OFFERED
The Department is offering the following programmes: B.A., M.A. and M.Phil

Services offered:
The Translation Bureau (Transbureau) offers translation services to the general public

STUDENT NUMBERS
Undergraduate - 1012
Graduate - 4

Number of staff:
Academic - 32
Senior Administrative - 6
Junior Staff - 5
PUBLICATIONS


• Boampong, Joanna. 2011 From the Ruins of Empire: Afrohispanic Writings of Equatorial Guinea, the Carribean and Spain, 1980-2000. Colne: LAP Lambert Academic Publishing


PAPERS PRESENTED


• Csajbok-Twerefou, Ildiko. “Comparative Studies of English Loans in Russian and Swahili”. Paper presented jointly with Dr. Josephine Dzahene-Quarshie at the 9th Faculty of Arts Colloquium, organized by Faculty of Arts, University of Ghana, from 12-13th April, 2011, at Great Hall, University of Ghana


RESEARCH PROJECTS/ACTIVITIES

• Contemporary Issues in Postcolonial African Literatures: Engaging Hispanophone Perspectives

• Language and Politics: A study of borrowings into Russian in the pre-”perestroika” and post “perestroika” eras.

CONFERENCES/WORKSHOPS/SEMINARS

• 4th International Conference for Theory and Practice in Education. “Society and Education”. Organized by Association of Educational Sciences, from 9-11th Jun, 2011, at International Pető András Institute, Budapest, Hungary;

• Segundo Congreso Internacional de Estudios Literarios Hispanoamericanos “África y escrituras periféricas en español, Spain.

• 9th Faculty of Arts Colloquium, Organized by Faculty of Arts, University of Ghana, from 12-13th April, 2011, Departmental Seminars, organized by Department of Modern Languages, University of Ghana.

VISITORS TO THE DEPARTMENT

• Dr. Peter Tamas Viczai, Senior Lecturer, Budapest Business School, Budapest, Hungary spent one year in the Russian Section.

• Economic Attaché to Cuba
DEPARTMENT OF PHILOSOPHY AND CLASSICS

OVERVIEW
This was the maiden academic year of the newly merged Department of Philosophy and Classics. Our separate departments were founded in 1948 with Legon’s first Faculty of Arts, alongside the departments of English and French. In Classics our strongest topic areas are Plato’s philosophy, the political development and social history of Greece and Rome, and the evolution of law. Our current research strengths in philosophy cluster around social and political topics and applied ethics; and we continue to build towards interdisciplinary specializations with particular focus on African philosophy. Faculty noted severe shortfalls in the new programme with respect to preparing undergraduates for further academic scholarship either in philosophy or in classics. We are working towards rectifying this challenge to our strategic plan, so we may continue to grow our future faculty from within. This year we have begun reaching out in our research and graduate studies to engage with colleagues in the University of Cape Town, the London School of Economics, the University of Benin, and the Maryland School of Public Policy.

Faculty promotions and awards
The University Council conferred upon our retired colleague Kwame Gyekye the status of Emeritus Professor. Our part-time senior lecturer Richard V. Cudjoe, also head of Department of Classics and Philosophy at UCC, became an associate professor. Dr. Martin O. Ajei won a research fellowship and invitation to work at the Academy of Mission, University of Hamburg in Germany. Rev. Dr. Joseph Apea Assamoah successfully defended his doctoral viva in October 2010 and his PhD is due for publication in November 2011. Dr. Carleton Simpson who arrived in January 2011 as a visiting scholar from Wilfred Laurier University in Canada, was appointed a full time permanent lectureship on the faculty.

Hosted international research scholars
The department hosted two post doctoral researchers-one was a Reader in political philosophy from London School of Economics’ Government Department, and another Senior Research Fellow in metaphysics from the Indian Institute for Advanced Studies, for extended stays of formal and informal affiliation, involving collaboration with faculty in philosophy, in political science, in African Studies, in Study of Religions, English, as well as practitioners and scholars in the field of religion outside the University.

Graduate studies
Our graduate studies track record was enhanced by a successful Part II MPhil thesis pursued with co-supervisor in Linguistics and Philosophy overseas. Mr. Richmond Kwesi was selected to go abroad for supervision of his thesis involving a philosophical analysis of the semantics of metaphor at the University of Rochester. He returned in May 2011 and presented his thesis on time. A successor in the MPhil Part II programme, Mr. Prosper Batinge, was subsequently selected in June 2011 for thesis co-supervision with the head of department of philosophy at University of Rochester; he will work there with the head of department on Plato’s philosophy of education and politics.

We expanded exponentially our portfolio of external thesis co-supervisors and examiners, including professors in Nigeria, in the USA, in Lebanon, and in Benin.

Two pre-doctoral graduate students in philosophy from abroad joined the department for courses, one an assistant lecturer from Humboldt University of Berlin, and the other a senior secondary school teacher of English and a student of Paulin Hountondji who is a at the University of Benin. The latter PhD student requested to engage the head of department at Legon as an external co-supervisor. Paulin Hountondji was also approved as an external examiner and potential supervisor for our graduate students.

Two indigenous MPhil graduate students in Classics joined Part I, and two continued onto Part II. Two students completed their MPhil theses in Philosophy and one joined Part I who was chosen from a pool of 11 philosophy MPhil applicants. We had one PhD student (on staff) complete his degree programme, and another applying for the PhD programme and accepted to begin in 2011-2012, engaging two foreign co-supervisors of high repute in epistemology. Mr. Mohammed Majeed continues his study abroad at UNISA in Pretoria for the D.Litt et Phil degree.

Expansion of senior member staff
The Department continued its recruitment efforts to buttress staff numbers, with varied results. One completed MPhil student was hired as an assistant lecturer. Her area of concentration is in political and social philosophy.
In Philosophy, four foreign applicants were hired as visiting scholars; one ancient Greek philosopher from U. Cardiff, Wales stayed for the first semester of 2010-2011. Two others (a formal logician from Vancouver Canada, and a new doctorate from Greenwich England) came and left before they began teaching. The fourth, Dr. Carl Simpson from Wilfred Laurier University in Canada, elected to stay and has been appointed a permanent full time position as a senior lecturer. His areas of concentration are philosophy of art, science, and technology. A fifth applicant for a full time position is a specialist in African philosophy from Nnamdi Azikiwe University in Nigeria, Dr. Emmanuel Ani, and he was appointed as a visiting scholar to begin August 1, 2011.

In Classics, Associate Professor Folake Olayemi from Ibadan remained for a third semester until December 31, 2010. She was succeeded by another classicist from Nigeria Dr. Gil O. Adekannbi who is working with us full time on his year sabbatical which began January 1, 2011.

Thanks to the recruitment drive targeted at African universities with strong philosophy department reputations, we initiated a mutually beneficial investigation into linking with University of Cape Town’s Philosophy Department. This bore fruitition the following academic year.

Department infrastructure
At the request of students represented at the Student/Staff Consultative Committee meetings, we created a temporary structure to utilize space outside our veranda, so we now have an outdoor tutorial patio with a mounted chalk board and attractive wooden slates with extra chairs. We received generously on loan from the Balme Library equipment to automate our cataloguing of all books in the Philosophy and Classics reserve library reading rooms. The Library has been tiled; a wall has been renovated to increase shelf space in the room. We expanded our capacity for graduate student study space and tutorial space by dispensing with obsolete equipment in the erstwhile computer laboratory, and renovating a storage room which is now an active tutorial office / student association centre downstairs next to the general office. The upstairs tutorial office affords now an attractive venue for small seminars.

COURSE PROGRAMMES OFFERED
BA, MPhil, PhD offered in Philosophy
BA, MPhil offered in Classics

STUDENT ENROLMENTS
Undergraduate: - 1,276
Graduate - 9
PhD Philosophy - 1

STAFFING
Academic Staff - 13
Non-Academic Staff - 9

PUBLICATIONS
Kofi Ackah
• A Guide to Ancient Greek Literature.

Helen Lauer
• Critical Thinking and Practical Reasoning. UGRC 150 Course Reader. (June 2010). Front matter, Units 1-10, 12. Legon: Institute of Continuing and Distance Education, pp. 438. with Ben Amponsah, author of Unit 11. Co-edited with Abena Oduro.

Mohammed Majeed

Nancy O. Myles

RESEARCH PROJECTS / ACTIVITIES
• Dr. Ackah is working on two books: Theology in pre-Socratic philosophy and Aristotle on God. He taught 234 hours over the academic year.
• Dr. Gill Oluwatosin Adekambi has been examining the relevance of taboos. He has three journal articles under peer review: “Roman Divination: A discourse on the treatise of Cicero,” “Plutarch’s essay on superstition as a perspective,” and “Re-enacting Oedipus Rex with Yoruba witticism.”
• Dr. Martin O. Ajei continues as principal investigator of the UG funded research project, “Conservation of Nature: Perspectives of Akan philosophy,” working on the manuscript which is its book length outcome. His research fellowship in Germany has been funded with a stipend and round trip plane ticket from the Academy of Mission, U. Hamburg and round trip plane fare. He is continuing his research on environmental ethics and conservationist values in the indigenous Akan tradition, and completing his book manuscript on that topic. He returns to post December 31, 2011.
• Dr. Joseph Apea Assamoah completed his doctoral thesis in April 2011. He is working on two papers concerning moral education, and a commissioned paper on the topic of bio-ethics in Ghana for a Bio-ethics Atlas forthcoming by Springer. He is also working on a philosophical inquiry into the African experience of political conflicts. Dr. Assamoah is a member of the National Bioethics Committee of Ghana, under the aegis of the National Commission for UNESCO
• Dr. Ajei participated in the project “Slum Community Achieving Liveable Environments with Urban Partners (SCALE UP)” in Avenor and Accra Metropolis funded by CHF International and the Gates Foundation.
• Dr. Joseph Apea Assamoah delivered an introductory guest lecture on bio-ethics for the UG course BIEN 301: Biomedical Engineering at the invitation of Dr. Kauffmann.
• Mrs. Nancy Myles Baffour Gyamfi is preparing her doctoral thesis proposal on the ontology of groups, the meaning of ‘culture’, group agency, and autonomy. She is preparing to accept an invitation to present her work in progress at a select political philosophy seminar in July 2012 in London, sponsored by LSE Government Department in consortium with Dept of Philo & Classics, themed “Domesticating Global Justice through African Perspectives.”
• She is a research assistant on the UG project “Conservation of nature: perspectives of Akan philosophy” with principal investigator Dr. M.O. Ajei.
• Mr. Mohammed Majeed continues his studies for the D.Litt et Phil at UNISA in Pretoria. His study leave was extended for another academic year.
• Dr. Carleton Simpson is working on several manuscripts for publication: “Against stipulation: Wolheim on representation and presentation;” “Just So Stories: Feyerabend and democratic relativism;” “Technology, ethics and the over-developed world;” and he is beginning a book to be submitted for publication in 2012, Ethics in a technological world.
• He is preparing to present “On the ontology of the cinematic Image,” at a Film-Philosophy conference in England in July 2012.
• Dr. Simpson continues as membership coordinator for the Canadian Society for Aesthetics, and is due to be appointed as co-editor of the Canadian Society for Aesthetics e-Journal. He is a member of the Board of Cinematheque Waterloo
PAPERS PRESENTED AT CONFERENCES / WORKSHOPS / SEMINARS

- The faculty contributed informal talks on their works in progress to the maiden weekly seminar series in the department.
- Helen Lauer was commissioned to present a plenary paper at the 9th Faculty of Arts Colloquium, Legon, “Creating a moral social life requires a diversity of viewpoints.”
- Carleton Simpson presented “Hip life and images of beauty” in April 2011 on the Music and Philosophy panel at the 9th Faculty of Arts Colloquium, Legon. He plans on presenting a version of this at the May 2012 Canadian Society for Aesthetics in Waterloo, Canada.

VISITORS

Dr. Katrin Flikschuh, political philosopher from the London School of Economics, Reader in the Government Department, came for one week in December 2010 to initiate collaboration and future links between our departments, subsequently leading to organization “Domesticating Global Justice from African Perspectives” under auspices of LSE in London, July 7-9th 2012.

Dr. Veena Sharma, Fellow of Indian Institute of Advanced Studies, was formally affiliated with the department as a visiting research scholar for three months from December 23rd 2010 to March 25th 2011.

Three graduate students from overseas took courses with us at the 600 level and at the Institute of African Studies under the auspices of philosophy supervision. One has subsequently requested doctoral co-supervision with principal supervisor Paulin Hountondji, on Ghanaian philosophy, formal and indigenous, since Independence.

BENEFACTORS AND BENEFACTION

Dr. Daniel Levine, while applying for a Fulbright Scholarship, sent these books to the department library in 2010:
- Kymlicka, Contemporary Political Philosophy: An Introduction
- Brooks, Thom (ed), A Global Justice Reader
- Coady, Morality and Political Violence
- Fotion and Coppetiers, Moral Constraints on War
- McMahon, Killing in War

- Dr. Katrin Flikschuh, at the time of her departure, sent a box of seminal political philosophy works on international human rights and related topics of current discussion, and also brought with her more books and photocopied materials which she donated to the department.
- Dr. Carleton Simpson facilitated a complete set of all issues from 1993-present of the academic science journal Perspectives in Science. He has imported from North America 4,800 slides of art work from pre-history to 20th century, emphasizing western art, to be donated to the KNUST Fine Arts Department.
- In April 2010 we took possession of a donation from Prof. Menno Leivers, Head of the Philosophy Department at the University of Utrecht, Netherlands, who sent twelve cartons of philosophy books as his unit was downsizing their office space in square footage. The Faculty of Philosophy of the University of Utrecht in the Netherlands sent us 250 (mostly English) book titles of contemporary works from their private office shelves. Utrecht Philosophy Department also sent us these journals:
  - Journal of Philosophy, 1987-2004 (100 issues)
  - APA Proceedings and Addresses, two years
  - The Philosophical Review 1987-1988
  - Review of Metaphysics 1997-2005 (15 issues)
  - Philosophische Rundschau 1987-1999 (8 issues)
  - Philosophy Papers 2001-2006 (20 issues)
  - Philosophical Papers 2007-2008 (4 issues)
  - Jl of Philosophical Logic 2002 (4 issues)
  - British Jl of the Philosophy of Science (miscellaneous issues)

The Balme Library donated three bookshelves floor to ceiling to increase our capacity in the Philosophy Department reserve reading room.

The Balme Library also loaned us an adequate grade computer and bar code scanner to automate our cataloguing in both our reserve library reading rooms.
DEPARTMENT FOR THE STUDY OF RELIGIONS

OVERVIEW
In the year under review the Department for the Study of Religions sought to maintain its commitment to the scientific and comprehensive study of religions. As usual, the Department was careful to ensure a balance between the traditional theological disciplines and a serious academic engagement with world religions, including African indigenous traditions. Furthermore, the Department continued to mount courses aimed at equipping members to understand, interpret and respond to current global issues from a religious perspective.

STAFFING
Academic Staff - 17
Non-Academic Staff - 3

Mr. Harry Agbanu and Mrs. Ernestina Novieto were on study leave and continued to work on their PhD theses. Dr. Rose Mary Amenga-Etego returned to post after one year study leave on the American Council of Learned Societies (ACLS) African Humanities Programme (AHP) Fellowship.

STUDENT NUMBERS
Level 100 - 583
Level 200 - 605
Level 300 - 238
Level 400 - 73
M.Phil part I - 8
M.Phil part II - 11
M.A. (Sandwich) - 40
PhD - 10

VISITORS
• Prof. I. H. O. Oloyede, Vice-Chancellor, University of Ilorin, Nigeria
• Dr Eric Anum, Head of the Department of Religion and Human Values, University of Cape Coast.

BENEFACTORS
• West African Association of Theological Institutes (WAATI): 2 books
• Dr. Ahmed Ghani, Islamic University College: 1 book
• Rev. Prof. Emmanuel Asante, Presiding Bishop, Methodist Church: 2 books

SERVICES/EXTENSION WORK
The Department continued its coordination of the academic programmes of institutions affiliated to the University of Ghana that offer courses in Theology and the Study of Religions. It also continued to offer courses at the Accra City Campus and its members continued to be involved in the work of the National Accreditation Board.

EXCHANGE PROGRAMME
In May 2011, Dr. Ben-Willie Golo visited the University of Gavle, Sweden as part of the Linnaeus-Palme exchange programme. Two Faculty members of the Gavle University in the persons of Birgit Lindgren Oden and Peder Thalen had visited the Department in January as Visiting Lecturers as part of the exchange programme.

RESEARCH
Amenga-Etego, Rose Mary
• Tribes without Rulers? Indigenous Systems of Governance and Sustainable Rural Development
• Probing the Religio-Cultural Roots of Witchcraft: A Journey into the Mystical World of the Nankani. This is a book manuscript and it is in fulfillment of the American Council of Learned Society /African Humanities Program (ACLS/AHP) 2009 Post-doctoral Fellowship
• Have The Spirits Gone With Their Chosen One? New Dimensions in Indigenous Healing, Wholeness and Knowledge Systems
• Seeking Balance: Oral Literature and the Dynamics of Negotiation in the Academic African Indigenous Religions
• Indigenous African Religions: A problematic Identity Construct.
• Joint research on with Associate Prof. Elizabeth Amoah “Current Understanding of Christian Mission in Ghana” for the International Association of Black Theology of which she is a member.
Ammah, Rabiatu
• Muslims Women and Dawah in Ghana
• Muslim HIV/AIDS in the Muslim Community

Amoah, Elizabeth
• Research in Progress: Assigned duties of Board Members
• “Methodist and Anglican Union in West Africa” for the International Council of Methodist and Anglican Unity, London.
• Joint research with Dr. Rose Mary Amenga-Etego on “Current Understanding of Christian Mission in Ghana” for the International Association of Black Theology

Atiemo, Abamfo
• Traditional African spirituality and Pentecostal culture
• The Concept of the Secular in Akan Traditional States
• Religion, Religious Groups and Sects: Defining Religion for Administrative and Legal Purposes in Ghana
• Human Rights and Indigenous cultures of Ghana
• Ghanaian Hinduism

Golo, Ben-Willie
• African Indigenous Ecological Knowledge and Climate Change Mitigation in Africa.
• Neo-Evangelicalism and Environmental Protection in Africa.
• Religious and the Environment in Africa.

Omenyo, Cephas
• Intra-Christian Conversion
• Ecclesiological Developments in African Christianity
• Pentecostal Theological Education

Ossom-Batsa, George
• Reading the Penitential Neh 9 in Communicative Perspective.
• Responsible Community Behaviour or Exclusion: Interpreting 1 Cor 5, 1-13 from Communicative Perspective
• Jesus and the Future Kingdom in Mark (Mark 14,25).
• The Spiritual Motherhood of Mary in John 19,25-27 from an African Perspective

Sulemanu, Fatimatu
• Muslims Women and Leadership
• Youth Development in the Ghanaian Muslim Community
• Working on her PhD research proposal topic, “The Challenges of the Muslim Family in Contemporary Ghana.”

Sulemana, Mumuni
• Challenges and prospects of Da’wah in Ghana: Bible Preaching Muslim Groups.

CONFERENCES, SEMINARS AND WORKSHOPS
Ammah, Rabiatu

Amenga-Etego, Rose Mary
• ‘Engaging the Witchcraft and Development Debate’, Departmental Seminar, August 2011.
Atiemo, Abamfo
- 9th Annual Faculty of Arts Colloquium on the theme, “The Humanities and the Construction of National Identity,” from 12th -14th April, 2011 at the University of Ghana.

Golo, Ben-Willie
- 9th Annual Faculty of Arts Colloquium on the theme, “The Humanities and the Construction of National Identity”, from 12th -14th April, 2011 at the University of Ghana.
- ‘Engaging Greed as a Root of Anarchy in Contemporary Africa: Toward a Christian-Muslim Subversive Theological Ethic.’ A paper presented at the WAATI Conference on Christian-Muslim Relations in Africa, held at the Baptist Theological Seminary, Ogbomoso, Nigeria. (25-27th July 2011)
- ‘“Tending Creation Together”: Religious Environmentalism as a Matrix for National Cohesion and Unity in Ghana.’ Presented at the 9th Colloquium of the Faculty of Arts, University of Ghana under the theme Creating in Diversity: Exploring our Differences for Nationhood, at the University of Ghana, Legon. (12th – 13th April, 2011)
- ‘Religion and Climate Change in Ghana: Actor Perspectives and Implications for Public Policy.’ A research paper co-presented with Dr Joseph Yaro of the Dept. of Geography and Resource Development, University of Ghana at the 4th Annual Colloquium of the Faculty of Social Studies University of Ghana on the theme Inter-Disciplinary Research Among the Academia at the Noguchi Memorial Institute for Medical Research. (9th-10th Dec 2010)
- ‘Socio-Economic Development, the Growth Obsession and Environmental Stewardship in Africa.’ A research paper presented at departmental seminar of the Department of Religious Studies, University of Ghana on 26th January 2011).

Omenyo, Cephas
- The 9th Annual Faculty of Arts Colloquium, Legon, April 2011.

Ossom-Batsa, George
- Presented a Paper at the Basic Bible Seminar (Archdiocese of Accra- Mamprobi), 20th March – 8th May, 2011, on the topic Approaches to the Bible.
- Participated in the 9th Annual Faculty of Arts Colloquium on the theme, “The Humanities and the Construction of National Identity”, from 12th -14th April, 2011 at the University of Ghana.

Sulemanu, Fatimatu
Sulemana, Mumuni
- Ilorin - Nigeria
- 7-11 November, 2010
- WAEC International Moderation meeting, Lagos 3-7 October, 2010.
- WAEC International Preliminary Co-ordination meetings, Lagos 30th May to 3rd June.

PUBLICATIONS
Amenga-Etego,

Golo, Ben-Willie

Omenyo, Cephas

Ossom-Batsa, George
- Ossom-Batsa, “Responsible Community Behavior or Exclusion: Interpreting I Cor 5,1-13 from Communicative Perspective”, in Neo testamentica 45.2 (2011) 314-347.
- Ossom-Batsa, ‘The Eucharist as Jesus’ Gift to the Community (Mark 14,22-25)’: Festschrift for Prof. Giancarlo Biguzzi, Urbaniana University Press, Rome, (accepted for publication – Nov. 2011).

SCHOOL OF PERFORMING ARTS

OVERVIEW
In the year under review, the School of Performing Arts continued, through its Three Departments, to offer both local and international students interesting theoretical and practical courses in the Performing Arts. Its faculty members also continued with their various research and artistic projects. All three departments had major productions during the year involving both staff and students. The Resident Theatre Group, Abibigromma engaged in an outreach programme second cycle schools.

International Collaborations
In the year under review, we were privileged, under the University of Ghana and the University of Missouri staff and students exchange programme, to host Prof. Niyi Coker Jr., Desmond Lee Distinguished Professor and Endowed Chair of Theatre and Media Studies of the University of Missouri- St. Louis, for one semester as a visiting Professor. In addition to teaching a course on African American Theatre, Prof. Coker also directed our students in a production of Mario Farwell’s play, ‘The Seamstress of Saint Francis Street’. Three other artistes from Missouri, Ms. Andrea Purnell, Prof. James Fay and Mr. Arnold Baker were specially invited by Prof Coker to be part of the production. The production was a huge success and a fruitful learning experience for staff and students alike.

As a result of our initial contact with Keene State College, New Hampshire, following a visit of delegates from the University of New Hampshire, Prof. Nii Yartey of the Dance Studies Department was invited as a Visiting Professor
for the 2010/2011 academic year, to teach courses in African Dance and Performance. He was also part of a major production “Turning the Tide – The Future of Tomorrow”. We are hoping to build on this relationship with Keene State College and the University of New Hampshire.

The School’s collaboration with Simon Fraser University continued with the visit of some students under the leadership of Mr. Albert Smith. In November 2010, the Acting Director of the School paid a visit to the Department of Literature, Film and Theatre Studies at the University of Essex. This was a follow-up to the visit by the Dean of International Development, University of Essex, Prof. Martin Henson. During his visit, Prof. Henson expressed an interest in fostering collaboration between the School of Performing Arts and the Department of Literature, Film and Theatre Studies of his University. He mentioned that his University, in addition to this Department of Literature, Film and Theatre Studies, also has a theatre conservatoire which was of great interest to us. The visit was to afford the Ag Director an opportunity to ascertain how this conservatoire operates alongside an academic institution of higher learning and also provide an insight as to how we may effectively collaborate with that institution in enhancing our own programmes at the School.

**BENEFACTORS**
The School received an amount of $1000.00 from the Simon Fraser University co-ordinator. This money is to be used as seed money towards a fundraising drive to complete the Performing Arts Multi Purpose building still under construction. Some books were also donated to the School.

The School is grateful to the Debman foundation for its support of composition students in the Music Department.

**STAFFING**

<table>
<thead>
<tr>
<th>Number of Staff</th>
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<tr>
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**DEPARTMENT OF MUSIC**

**OVERVIEW**
The Vision of the Department is to become a center of research and learning in African music, and to turn out top class graduates and scholars in all areas of music education.

The Department of Music runs three undergraduate programmes: Bachelor of Music, Bachelor of Arts and Bachelor of Fine Arts. The Department has had to re-organize its degree structure to reflect the new University of Ghana programme.

**STAFFING**

- One (1) Professor on post-retirement contract
- One (1) part-time Senior Lecturer
- Nine (9) full-time lecturers
- One (1) Assistant Lecturer
- Two (2) part-time instructors (violin and guitar)
- Four (4) Senior Staff
- Four (4) Junior Staff

**RESEARCH PROJECTS/ACTIVITIES**

During the year under review, some members of the academic staff were engaged in a number of research projects and activities:

**Kohler, R.**


**Arhine, A.**


Boamah, E.
• Traditional music and instruments in Christian worship.

Wuaku, H.
• Collection and Arrangement of traditional tunes for Solo Wind instruments and piano.
• Collection and Arrangement of traditional rhythmic patterns for orchestra and Wind Bands.
• Compilation of suitable material for Sight Reading Test for Schools.

Kim, K.
• Students’ problems with listening, writing and oral skills.

Amakye, B.
• Directed the production ‘The Ugly Duckling’: A pantomime for children in and out of school by Eric Gross and Alan Kitson.
• Directed the production ‘A night of music and Dance in African Cultures’.
• Directed Sound Splash – Three Nights of Music Performances featuring students of the Department of Music.

Andoh, T.
• Choral music in Ghana, with special focus on the choral works of Isaac Daniel Riverson (b. 1901), Alfred Entsua-Mensah (b. 1906), Emmanuel Pappoe-Thompson (b. 1906), and Michael Kofi Amisah (b. 1924).
• Code-Switching in Music, A New Phenomenon in Ghanaian Highlife and Hip life music.

Kafui, K.
• The biographies and works of some great Ghanaian composers.

Collins, J.
• The social history of Ghanaian popular and new-traditional music.

CONFERENCES/WORKSHOPS/SEMINARS/PERFORMANCES
Kohler, R.
• 9th Faculty of Arts Colloquium, University of Ghana. Presented a paper on ‘In Search of a lost identity, Hip life and Highlife between Independence struggle and cultural industry’.

Amakye, B.
• 9th Faculty of Arts Colloquium, University of Ghana. Presented a paper on ‘Amu & Anku: Unity in Diversity’.
• Pax Romana choir Anniversary, KNUST. Presented a Paper on ‘Choral Etiquette’.

Boamah, E.
• Networking Meeting and Intensive Course, GLOMUS Camp and Conference 2011, under the theme ‘Inter Cultural Approaches in Higher Music Education and Distance Learning’ at the University of Cape Coast and University of Ghana, Legon, April 3 – 13, 2011.
• Presentation of a paper titled, “The Philosophical, and Historical aspects of African Art Music” at the Department of Music Colloquium. March, 2011.
• Gave a performance (piano recital) at the Department of Music in February, 2011.

Kafui, K.
• PASMAE INTERNATIONAL CONFERENCE hosted by the Music Department, University of Education, Winneba, from Dec. 6 – 9, 2010. Presented a paper, ‘The Use of African Traditional Elements in African Art Music’.
• University of Ghana Faculty of Arts Colloquium – April, 12 – 13, 2011. Presented a paper titled: “Creative Resources in Kale – An African symphonic Work”.

Andoh, T.
• Networking Meeting and Intensive Course (Glomus) Camp and Conference 2011, under the theme (Intercultural Approaches in Higher Music Education and Distance Learning’, at the University of Cape Coast and University of Ghana, Legon, April 3 – 13, 2011.

Collins, E. J.
• The Importance of Popular Music and World Music Course for African Universities. Paper read at the GLOMUS Conference on ‘Inter Cultural Approaches in Higher Music Education and Distance Learning’ held at the University of Ghana, 11 – 12 April, 2011.
• Highlife and National Identity. Paper read on 12th April, 2011 at the 9th Faculty of Arts Colloquium on Creating in Diversity: Exploring our Differences for Nationhood.

PUBLICATIONS
Kohler, R.
• “Adorno’s Riddle Character of Art” in the School of Performing Arts Journal, 2011.

Arhine, A.

Andoh, T.

Collins, E. J.

VISITORS TO THE DEPARTMENT
The Department of Music had two visiting Professors from the University of Colorado (USA). They performed to students in February, 2011 with the National Symphony Orchestra Ghana. They also gave lectures on Performance during their Visit.

PROJECTS
The Drum Village project of the Department of Music, which took off so well is yet to be completed in the next phase of the developmental process in the Department. The plan to develop the forecourt of the Department into a mini theatre for performances and other activities has already began, and we hope this project, which has already started would be completed in the very near future.

BENEFACTORS/BENEFACTIONS
The Department is grateful to the Debman foundation for sponsoring an annual one-week composer’s workshop for selected students of the Department and students from Departments of Music in University of Cape Coast, and University of Education, Winneba. The students worked under the direction of a composer from Denmark, and they have their works, composed during the period, performed on the last day of the workshop by acclaimed instrumentalists from Denmark Conservatory of Music. It is our hope that this project will be sustained with the active and financial support of the Foundation.
DEPARTMENT OF THEATRE ARTS

OVERVIEW
As the pioneer Theatre Arts institution in the country, we continue to maintain our supervisory role of the industry by extending our programmes to the many theatre companies and emerging training centres at sister Universities in the country. We continue to produce graduates and post-graduates as a contribution to the human resource needs of the country in several sectors. Our creative productions, seminars, conferences, workshops and scholarly works have created platforms for sharing ideas between practitioners, trainers and scholars.

COURSES OFFERED

Undergraduate
The Department runs two undergraduate programmes – Bachelor of Arts (BA) and Bachelor of Fine Arts (BFA) with final year specializations in:

• Acting
• Costume and Make-Up Design and Construction
• Directing
• Drama in Education
• Playwriting
• Radio/TV/Video/Film
• Scenic Design and Construction
• Theatre for Development
• Theatre Management

There are in addition, courses such as Voice and Speech, Theatre History, Play Analysis and Interpretation, Dramatic Theory and Criticism, Research Methods, Oriental Theatre, Modern Drama and African-American Theatre.

Graduate
Our graduate programme offers a two-year Master of Fine Arts (MFA) and Master of Philosophy (M.Phil) options in either Theatre Arts or Dance Studies. The latter option is in collaboration with the Department of Dance Studies. Areas of concentration are: Playwriting, Theatre for Development, Directing, Drama in Education, Stage Design, Theatre Criticism, Costume Construction, Choreography, Dance in Education and Dance Ethnology.

In the year under review, the Department began a Ph.D programme in Theatre Arts. It is a three-year research degree.

ACHIEVEMENTS
The Department secured two professional SONY HD camcorders with accessories primarily for the teaching of Radio, TV, Film and Video courses and also to document theatre productions mounted by both students and staff. An ultra modern multi-media studio was also set up equipped for digital video post-production and graphics design. The department also launched the first issue of its quarterly magazine Theatriks. Staff of the department led students to participate in the 22nd Pan-African Festival of Film and Television (FESPACO), in Ouagadougou, Burkina Faso in February – March 2011. Another field trip was made to Jasikan in the Volta Region. The department mounted several productions by students and staff; prominent amongst them were The Seamstress of Saint Francis Street, Atobra and Many Rivers to Cross.

STUDENT STATISTICS
The Department has a student population of one thousand, one hundred and two (1,102) on the main campus and two hundred and seventy-seven on the city campus. This number includes foreign students and exchange students taking courses at various levels.

STAFF
Mr. M. Africanus Aveh assumed office from 1st August 2010 as the new Head of Department. Two lecturers, Mr. Godwin Kotey and Ms. Sarah Dorgbadzi took study leave to pursue Ph.D degrees. Two new appointments to Assistant Lectureship positions saw Mr. Daniel Appiah-Adjei and Mrs. Felicia Owusu-Ansah joining the faculty from 1st August, 2010. Mrs. Joyce Doe-Lawson a Senior Research Assistant returned after completing her Masters programme in Copenhagen, Denmark and has since won another scholarship to pursue her PhD in Australia. Mr. Michael Dartey was appointed as the new Cleaner/Messenger from November 2010.
Prof. Niyi Coker from University of Missouri, Saint Louis was a Visiting Professor to the Department in the first semester of 2010-2011 academic year. Apart from teaching a course in African-American Theatre, he also directed Mario Farwell’s Seamstress of Saint Francis Street as a staff production at the Efua T. Sutherland Drama Studio.

**SENIOR MEMBERS**

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<td>Senior Lecturers (1 on part-time, 1 on contract)</td>
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<td>Lecturers (2 on part-time, 4 on study leave)</td>
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<td>Tutors (1 on study leave)</td>
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**ADMINISTRATIVE / ACADEMIC STAFF**

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<td>Senior Research Assistant</td>
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<tr>
<td>Production Assistant</td>
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<tr>
<td>Clerk</td>
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<tr>
<td>Messenger/Cleaner</td>
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<tr>
<td><strong>Total</strong></td>
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**RESEARCH PROJECTS & ACTIVITIES**

**Adjei, C.**
- “Man” and His Clothing: Appropriate Costume for Appropriate Function (ongoing) – Aug. 2010

**Agyemang, O.**
- “Will Art Put Food On The Table?” Editorial for Art Focus January 2010 Issue 3 ISSN2026-5514 publication of the ArtHAUS and NUBUKE Foundation Accra.

**Annan, A. Y.**
- ‘Period Style’: A Visual Language Appropriate for the Historical Ambience of Contemporary Ghanaian Stage Design.
- Towards a Pedagogical Approach: Formulating Ones Own Ideas on Contemporary Stage Theory.
- Re-contextualization: Revitalizing Our Art Form to Attract New Audiences.

**Appiah-Adjei, D.**
- The Mystery of Honey and Money and the mouth is sealed: A critical Appraisal of Yaw Asare’s Ananse in the Land of Idiots as a metaphor on African Society.
- “To be or not to be”; The Audience Dilemma on Movies and live Theatre Performances; A study of University based perceptions on films and theatre performances.
- Sharing Ideas on Adinkra Symbols; Sankofa as a Metaphorical source for creative writing in Ghana.
- Towards the Understanding of the “isms” in the Theatre.
- Theatre of Symbols; a manifestation towards the true African Theatre.

**Asante, B. O.**
- Theatre with non-professionals – Making Theatre Succeed without SPA Stage facilities.
- Established E-Multimedia Productions in Koforidua to train young men and women for Stage, Film, Video and Radio Production (March 2010).

**Asiama, E. K.**
- Climate Change Intervention through Theatre: Pennsylvanian and UG collaboration at Donkorkrom-Afram Plains.
- Re-discovering Puppetry- Theatre for development Experiment: Jasikan College of Education Project 2010.
- Theatre and Indigenous Medicine – a way to recovering and re-possessing knowledge for Posterity. Project site Akrofo- Jasikan-Buem.
Asiedu, A.M.
• Mapping Regional Trends in Modern African Theatre: The Ghanaian Situation.
• Board Member of Theatre for a Change, a Ghanaian registered NGO.
• An elected member of the executive committee of the International Federation of Theatre Research.
• Orientation lectures to visiting foreign students from The James Madison University and Calvin College.
• Assistant to the Associate Director of the ACLS/African Humanities Fellowships Programme.

Aveh, M. A.
• Documenting African Experience on Slavery through Film & Video.
• Documenting Ghanaian Artistic Expressions on Video.
• The socio-cultural impact of locally produced feature videos on the people of Ghana.
• Theatrical Hybrid: Video clips as part of live stage drama.
• Member of Planning & Organising Committee, 5th Annual Real Life Documentary Film Festival, Accra, Ghana. (2010).
• Member, Planning Committee, Kwame Nkrumah Pan-African Intellectual & Cultural Festival, Accra (2010).

Deh, T. H.
• Games as means of education among children.
• Educational psycho-drama as an aspect of drama in education.

Dorgbadzi, S.
• Ghanaian Folktales Documentation, Structural Progression and its Implication for the Theatre Practitioner. (An on-going research into Ghanaian Storytelling).
• Designed a course in African Literature and prescribed reading materials for the running of the course in Ashesi University.
• Constituted and chaired an interview/audition panel on behalf of Witwatersrand University, South Africa, to assess Ghanaian applicants to their masters’ programme in Drama for Life.

Gbormittah, F. G.
• Avenues of Innovation and Exploitation: Cinema Magic, Demonic Technology and Special Effects in Ghanaian Video Productions.
• On Ghanaian Film Industry and Education: Present Realities and Future Possibilities.
• Conflicts in the Interface between Tradition and the Modern Media in Ghana.

Owusu-Ansah, F.
• Exploring Ghanaian Games as a Material for Invisible Theatre.

Owusu, M. O.
• Traditional and Contemporary Sources for the Ghanaian Playwright: The Playwright and the Environment.
• Critical Studies in Dramatic Literature: The Play in its Cultural Context.
• Video Film Production, Nurses of the Nightingale - Exploring the Role and Challenges of the Ghanaian Nurse, 2010

PUBLICATIONS/PAPERS PRESENTED
Asante, B. O.
Asiedu, A. M.

Aveh, M. A.
- “Who am I? The Challenges of Public Education Through Film”, paper presented at African Literature Association (ALA) , 37th Annual Meeting & Conference, Athens, Ohio, USA, hosted by Ohio University, Athens under the theme: African Literature, Visual Arts and Film in Local and Transnational Spaces (2011)

Gbormittah, F. G.

Owusu, M. O.

PRODUCTIONS

Adjei, C.
- Costume and Make-up Design for Yaw Asare’s play Desert Dreams, directed by Africanus Aveh, March, 2010.
- Costume and Make-up Design for The Seamstress of St. Francis Street, directed by Niyi Coker, Oct., 2010.

Annan A. Y.
- Scenic design for Desert Dreams (by Yaw Asare) and directed by Africanus Aveh, March 2010.

Asante, B. O.
- Wrote and Directed Onyame Asem Nti a stage play for Ghaco Women’s Ministry, performed at Koforidua Polytechnic, 5th August 2010.

Aveh, M. A.
- Directed Cosmic High Court - an adaptation of “In The High Court of Cosmic Justice” [from the collection of poems Earth Child] by Kofi Anyidoho, performed at the National Theatre, Accra for Nkrumah Centenary Celebrations (July 2010) with a repeat performance for Kwame Nkrumah Pan-African Intellectual and Cultural Festival [September 2010].
• Directed Desert Dreams (by Yaw Asare) as a Staff Production at Department of Theatre Arts, University of Ghana, Legon, at Efua Sutherland Drama Studio, Legon Ghana – 2010.

Dorgbadzi, S.
• Adapted and directed The Sound of Music (a musical) by Rodgers and Hammerstein. It was performed by Ghana international school students at the National Theatre on the 7th and the 8th of May 2010.

Gbormittah, F. G.
• Producer/Production Designer/Actor, The Destiny of Lesser Animals (2010), a feature film produced by Bright Noon Pictures LLC, Ghana/USA.

Owusu-Ansah, F.
• The Beast Amongst Us, at the Kofi Annan Centre of Excellence, for the Migration Unit of The Ministry of Interior, April 2010.
• Na Who Cause Am at the Madina Market for Ghana Immigration Services, January 2010.
• Beyond Greener Pastures 2 at British High Commissioners Residence, January 2009.
• Staff production, Theatre for Development, 26th August, 2010.

CONFERENCES/SEMINARS/WORKSHOPS
Appiah-Adjei, D.
• Attended a Writing Workshop organized by the African Theatre and Performance Working Group of the International federation of Theatre Research, April 2011

Asiedu, A.M.
• Attended the African Theatre Association Conference in Wales, (Chaired a session) UK, July 21-23rd 2011.
• Led a delegation of lecturers from the School to the African Theatre and Performance working Group of the IFTR’s Writing Workshop and served as Resource Person, Ilorin, Nigeria, and April, 2011.

Aveh, M. A.
• 5th Annual Real Life Documentary Film Festival, Accra, Ghana. (2010)
• Kwame Nkrumah Pan-African Intellectual and Cultural Festival, Accra, Ghana [September 2010]
• 22nd Pan-African Festival of Film and Television (FESPACO), Ouagadougou, Burkina Faso. Theme: African Cinema and Markets (Feb. – March 2011)
• 3rd CODESRIA, Workshop on African Film, Video & the Social Impact of New Technologies organised in collaboration with FESPACO, Ouagadougou, Burkina Faso. [Feb. 2011]
• African Literature Association (ALA), 37th Annual Meeting & Conference, Athens, Ohio, USA, hosted by Ohio University, Athens under the theme: African Literature, Visual Arts and Film in Local and Transnational Spaces [April 2011]

Deh, T. H.
• Department of Theatre Arts Seminar Series: Paper presented: “Theatre: not only on stage but also in state” – October 2010

Gbormittah, F. G.
• 37th African Literature Association (ALA) Conference, Ohio University, Athens, Ohio, USA - April 13-17, 2011.
• Workshop on “Creative Writing,” organised by the Ghana Book Trust/CODE in conjunction with the Burt Award for African Writers, Miklin Hotel, Accra - April 4-6, 2011.
• Workshop on “The Legacy of Independence and its Impact on Creativity,” organised by the Adventures in the
Diaspora IV Group, Golden Tulip, Accra - March 24, 2011.


• 64th University Film and Video Association (UFVA) Conference, Champlain College, Burlington, Vermont, USA - August 10-14, 2010.

Owusu –Ansah, F.


• Attended a Writing Workshop organized by the African Theatre and Performance Working Group of the International Federation of Theatre Research, April 2011.

• 2nd International Workshop on Academic Writing and Publishing, University of Ilorin, Nigeria, 18th-22nd April, 2011.

Owusu, M. O.


VISITORS TO THE DEPARTMENT

Mr. Louis Bolaji Bailey a professional gaffer and key grip from Georgia, USA paid a visit to the Department and held a workshop in October 2010 for students and staff on the topic “Business of Film Production: Inside Hollywood”.

BENEFACTORS AND BENEFACATION

We acknowledge various sponsorships for our staff and student productions.

DEPARTMENT OF DANCE STUDIES

OVERVIEW

The Department of Dance Studies offers Diploma, Bachelor of Arts, Bachelor of Fine Arts programmes; and runs Master of Philosophy and Master of Fine Arts programmes with the Theatre Arts Department of the School of Performing Arts.

In pursuance of its professional and international objectives, the Department focuses on African and Diaspora; and input from World Cultures in its academic and practical offerings. The Department provides a solid University dance education that equips students with the capacity for creative and critical thinking.

Courses on offer include: Traditional and Neo-Traditional African Dance: Dance Forms of Africa; Choreography; Dance Technique; Dance Cultures of the World; Movement Analysis and Labanotation; Instrumental and Vocal Music; Music for Dance; Dance Education; Dance History; Anatomy and Physiology; Dance Analysis and Criticism and Theatre Management etc. The Department will soon add the following courses to the existing ones: Contemporary Africa Dance; Popular Dance and Dance Production Techniques.

The department continues to attract a large number of international and local students. In the year, there were a total of 226 foreign and 626 Ghanaian students.

STAFFING

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<td>Senior Staff</td>
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<td>Junior Staff</td>
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<tr>
<td>National Service Personnel</td>
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Due to limitations of space, the Department could not offer students adequate movement activities required for sound learning.

**PUBLICATION/PAPERS PRESENTED**

**Prof. Nii Yartey, F.**

**Akua Boakyewa Abloso**
- Presented a paper entitled ‘Unity in Diversity through Dance Theatre’ at the 9th Faculty of Arts Colloquium, April, 2011.

**Oh! Nii Kwei Sowah**
- Presented a paper, “Dance, Diaspora, and Community Resilience” at the University of California, Irvine. January 2011.
- Taught a master class at University of California, Irvine. An excerpt of “Future of Dance” was presented. January 2011.

**Essilfie Acheampong Quaye, D.**
- Analysing the traditional dance on stage within the University in Close reference to Opoku’s Legacy.

**Darko Jennies**
- ‘Dance and Mental Health: The Therapeutic experience of mental Patients at Pantang Psychiatric Hospital’. Paper edited and ready to be submitted for Publication.

**Terry Bright Ofosu**
- Choreographed National Ceremonial Dances: Transcending Ethnicity, Chieftaincy and Politics. A paper presented at the 9th Annual Faculty of Arts Colloquium in April 2011 and has since been submitted for publication.

**RESEARCH PROJECTS/ACTIVITIES**

**Prof. Nii Yartey, F.**
- Continuation of research into the Development of Dance-Theatre and Contemporary African Dance in Ghana. The result will lead to the publication of book on the subject.
- Visiting Professor: Keene State College, New Hampshire, USA, (2010-2011 Academic Year).

**Akua Boakyewa Abloso**
- Dance Theatre for social Change: The Analysis of Bukom by Nii Yartey. An ongoing research project.
- Collaborative conversations/Ghana Initiative at the University of California Irvine January/February, 2011.
- Orientation of Ghanaian Home Stay to Trent Programme – Canada Students, August 31, 2010.

**Oh! Nii Kwei Sowah**
- Presented a paper, “YOO SE DOO FIEM: Dancing Beyond the Clan – Uniting the Nation” at the 9th Faculty of Arts Colloquium, April, 2011.

**Ayi Tawiah, B.**
- Continuing my research on the Ga people and their traditional dance.

**Essilfie Acheampong Quaye, D.**
- Performing the Palace Dances outside their origin, A must or a must not? A paper presented at the 9th Faculty of Arts Colloquium, 2011.
- “Bird of The Wayside” II and III (ongoing Article).

**Darko Jennies**
- Dance a medium for Advertising.
Terry Bright Ofosu

- Rap Culture and its Parallels: The La Kpa, Griot and Akan Praise Singing in Perspective, a paper presented during the intra-departmental seminar on the 22nd of April 2011.
- Assisted Professor Halifu Osumare (a Fulbright scholar from the U.S.A) in conducting her researches, and translating and transcribing six hiplife songs for her new book (yet to be titled) 2010.
- Dance and Politics, Gender, Festivals and Popular dance. A thirty minute-talk delivered to visiting students from Irvine California in October 2010.

CONFERENCES/WORKSHOPS/SEMINARS

Prof. Nii Yartey, F.

- Choreographed and directed, “Festival of Cultures”, as part of the commissioning of the Jubilee Oil Field at Takoradi; commissioned by Tullow Ghana Limited in partnership with the Government of Ghana. 2010.
- Choreographed and directed: The Future of Tomorrow, for the Noyam African Dance Institute, Ghana with funds provided by the European Union and the Danish Development Agency (DANIDA). 2010.

Akua Boakyewa Abloso

- Paper presentation at the 23rd International Association of Blacks in Dance (IABD) Conference and Festival in California in January 2011. The title of the paper was “The Evolution and Historical Background of Dance Theatre in Ghana.”

Oh! Nii Kwei Sowah

- Consultant/Panelist at the 2nd International Platform for the Arts in DR Congo, 2010.
- Lecture – “Dance in Ghanaian Traditional Society and the Acquisition of Performance Skills”, and Master class for University of California, Irvine students and faculty. September 2010.
- Participant at the 23rd International Association of Blacks in Dance Conference in Los Angeles, California. January 2011.
- Professional Advancement Training at Jacob’s Pillow in Becket, Massachusetts. July 8 – 18 2011.

Newman S.A.

- Presented a paper at a departmental seminar on ‘Dance Heals – A testimony of a number of people who have received healing from various sickness as a result of participating in my Dance Exercise classes’.
- Organized an international workshop on The Dance in preaching the Christian Gospel Message in July 2011 at the School of Performing Arts lasting one week. Participants were twenty with two from South Africa.

Essilfie Acheampong Quaye, D.

- Performed and choreographed the dances in the production “Cosmic High Court” by Kofi Anyidoho and directed by Africanus Aveh (Sept. 2010).
- Dance Documentary on ‘The State of Traditional Dance In Ghana’ by Village Communications March/April 2011.
- Participated in the Film Festival in Ouagadougou, Fespaco 2011 (28th February – 7th March 2011).
- Presented a Paper, “The traditional Religion is poised with lots of rituals and possessions; A case study of the Koku ritual dance” at the Christian Dance Conference 2011 in the University of Ghana, Legon, on theme “And one heard them speaking in their own language”.
- ‘Choreography through the Lens; A viable tool in enhancing dance choreography’. A paper presented at a Departmental Seminar 2011.

Darko Jennies

- Dance Technique. Using Dance Movement to help students.
- The role of dance in stimulating interest in advertised products.
- Participant. Workshop for newly appointed academic staff members on methods of Teaching and assessing of students, University of Ghana, Legon.
Terry Bright Ofosu

- Choreographed the dances in “Ugly Darkling” a Department of Music staff production directed by Amakye Boateng and Agyeman Wiettey from 18th to 21st of November 2010.

VISITORS TO THE DEPARTMENT
U.S. Fulbright Scholar Amy L. Masko (Ph.D., Grand Valley State University, Allendale, Michigan) and Prof. Lawrence Bosiwa (Ghanaian Languages and Linguistics Department, University of Cape Coast gave a Lecture to staff and students on Wednesday September 1, 2010. The programme was sponsored by the Embassy of the United States of America and the University of Ghana.
FACULTY OF ENGINEERING SCIENCES

OVERVIEW
Engineering in Legon saw the graduation of the fourth cohort of engineers since the establishment of the Faculty. Enrolment for the year under review was 316 including six post graduate students in Agricultural Engineering. New lecturers were recruited at the beginning of the year, bringing staff strength to thirty five (35) full-time lecturers of whom five were on study-leave pursuing PhD programmes. The Faculty was also supported by twenty (20) part-time lecturers as well as twelve (12) teaching assistants and national service personnel.

Faculty-Industry Collaboration
In the absence of requisite laboratories students continued to rely on the goodwill and support of various educational and industrial institutions for practical sessions. These included the Ghana Atomic Energy Commission, Industrial Research Institute of the Council for Scientific and Industrial Research, MediWise International Company, Electricity Company of Ghana, EPP Books, Omatek Computers, NCR Ghana, the Medical School and Korle-Bu Teaching Hospital, and Accra Brewery Limited, among others.

Academic Programmes
Implementation of the new Four-year Bachelors degree programme began this academic year in addition to the graduate programme of the Department Agricultural Engineering which admitted its first group of six students for MPhil graduate studies.

DEAN'S OFFICE
Staffing
Prof. Richard J. Bani Dean
Joseph K. Osei Assistant Registrar
Raymond H. Ankrah Principal Administrative Assistant
Naa-Adjeley Larsey Principal Administrative Assistant
Catherine Fianu Senior Library Assistant
Ahmed Appiah Headman
Silas Akakpo Headman
Joseph Sowah Driver Grade I
John Attigah Driver Grade II

DEPARTMENT OF AGRICULTURAL ENGINEERING

OVERVIEW
The Agricultural Engineering Department develops human resource on engineering technologies in agricultural production and postharvest management of agricultural products. The Department provides training, research and extension services in Agricultural Engineering to meet the challenges of food security. The Approval granted by the University Academic Board to run M. Eng, M. Phil and Ph.D programmes have started with two programmes of M. Phil in the area of Machine Systems Engineering and Post Harvest Engineering.

The Department continues to offer basic Agricultural Engineering courses to B. Sc Agriculture under-graduate students in the College of Agriculture and Consumer Sciences.

COURSES:
The department offered undergraduate, MPhil and Ph.D courses.

STUDENT NUMBERS:
Faculty of Engineering Sciences
M. Phil. II - 6
Level 100 - 120
Level 200 - 56
Level 300 - 38
Level 400 - 96
College of Agriculture and Consumer Sciences

Level 100     -     150
Level 200     -     180
Level 300     -     180
Level 400     -     170
Dip I             -     156
Dip II           -     148
Dip III        -      164

ACADEMIC STAFF
Professors - 1
Associate Professors - 1
Senior Lecturers - 4
Lecturers - 2
Part-Time Lecturers - 5
Teaching Assistants - 1

ADMINISTRATIVE STAFF
Prin. Administrative Assistant - 1
Clerk Grade II (Study Leave) - 1
Library Assistant - Vacant (1)
Administrative Assistant/Clerk - Vacant (1)
Messenger / Cleaner - 1

TECHNICAL STAFF
Principal Technician - 1
Workshop Superintendent - 1
Senior Lab Technician - 1
Technician - 1
Tradesman Grade I - 1
Farm Machinery Operator - 1
Technician/Workshop Cleaner - (Vacant)

VISITORS TO THE DEPARTMENT
During the Home Coming Event of the University, the department received visitors from GRATIS, The Institution of Engineers and the General public.

BENEFACTORS
No benefactors in this period of report

PUBLICATIONS
Mahama, A.A.
Baryeh, E.A

Bani, R.J.

RESEARCH /PROJECTS
Mahama, A.A.
• Agricultural Mechanization in Ghana.
• Tractor Operators Training Programme with MOFA/AESD.

Baryeh, E.
• Health hazards of tractor and other heavy machinery operators in Ghana
• Design of machine to break cocoa pods and women engineers in Ghana

Bani, R.J.
• Indigenous structures for storage of fresh fruits and vegetables (Clay pots and under ground concrete structures).

Josiah, M.N.
• Effect of Soil-Machine Interaction on soil water retention

Abenney-Mickson, A.S.
• “Sustainable food production through irrigated intensive farming systems in West Africa (SIFA)” from DANIDA. Collaboration with colleagues from two Universities in Denmark and others in the University of Ghana This project is sited at Anloga in the Volta Region.
• Hydrological studies in the three streams for irrigated urban agriculture in the Sakumono Lagoon catchment.

Sabi, E.B.
• “Sustainable food production through irrigated intensive farming systems in West Africa (SIFA)” from DANIDA. Collaboration with colleagues from two Universities in Denmark and others in the University of Ghana. This project is sited at Anloga in the Volta Region.
• Hydrological studies in the three streams for irrigated urban agriculture in the Sakumono Lagoon catchment.

CONFERENCES/WORKSHOPS/SEMINAR
Mahama, A.A.
• Comparative Study on Agriculture and Mechanization Workshop on “Agricultural Mechanization in Ghana” IFPRI-GSSP. 17th March 2011 at the Coconut Grove Regency Hotel, Accra.

DEPARTMENT OF BIOMEDICAL ENGINEERING

OVERVIEW
The Department runs undergraduate courses leading to the award of a Bachelor of Science in Engineering. The programme is structured around four major focus areas namely, Biological Systems Engineering; Computational Biology; Sensors, Microsystems and Instrumentation; and Biomaterials and Cell/ Tissue Engineering. During the year under review, the major challenge of the Department continued to be the paucity of resources, especially infrastructure. In spite of this challenge the Department offered high quality courses to its students and contributed meaningfully to the academic life of the University.

At the beginning of the Academic Year, the Department successfully organised and hosted (in partnership with the Ghana Biomedical Convention and Noguchi Memorial Institute for Medical Research) an international conference,
GhanaBiomed 2010, with the aim of promoting biomedical research in Ghana by showcasing the work of Ghanaian scientists and engineers at home and in the diaspora. Mr. Henry Ogoe, spent the first semester of the 2010/2011 Academic Year at the University of Michigan as a scholar in that university’s African Presidential Scholars Program. The Department graduated eight out of sixteen of its third batch of students in November 2010.

In January, 2011 Mr. Kwabena Kan-Dapaah joined the staff as an Assistant Lecturer and in April, the Department in collaboration with partners from University of Michigan (Department of Biomedical Engineering) and Makerere University won a small seed grant to develop and implement a co-creative, user-centric, low-cost medical device design project scoping experience comprising a student each from the three universities. On May 6, 2011 Dr. Elsie Effah Kaufmann was re-elected as Academic Member of Convocation to the University Council and on May 16, 2011 the University signed an MoU with MediWise International Company Ltd., formalising the company’s relationship with the Department. In July 2011 Dr. Elsie Effah Kaufmann was selected by the International Women’s Forum Leadership Foundation as a member of a class of 35 emerging leaders from 14 nations around the world to participate in its 2011-2012 Fellows Program. The Department also participated in the 4th Ghana Biomedical Convention (GhanaBiomed 2011), which was held in Kumasi at the end of July. A final year student of the Department, Ms. Gifty Tetteh, received a best student oral presentation award for her presentation of her design project on an efficient, non-electrical steriliser for use in resource-limited settings.

Finally, the Department published the third edition of its yearbook at the end of the Academic year.

**COURSES OFFERED**
The Department continued to run its specialty courses in Design Project, Tissue Engineering and Biotechnology, Medical Imaging, Design and Selection of Biomaterials, Transport Processes in Living Systems, Design of Mechanical Systems, Cell and Molecular Biology, Professional Development Seminar, Cardiovascular Mechanics, Haemodynamics, Biomaterials, Biomechanics, Bioinstrumentation, Medical Physics and Engineering Principles of Human Physiology & Anatomy.

Practicals were held at the Anatomy Department of the Medical School as well as the Chemistry Department of the Ghana Atomic Energy Commission, Kwabenya. The students also benefited from field trips to various Departments and Centres (Cardiothoracic, Orthopaedics, Radiotherapy & Nuclear Medicine) of the Korle-Bu Teaching Hospital and the University Hospital. Visits were also made to the 37 Military Hospital and the University Hospital.

For the first two years of the programme, staff in other Departments of the University, as well as Professional Engineers from the Ghana Institution of Engineers continued to support the teaching of the foundation courses.

**STUDENT NUMBERS**

<table>
<thead>
<tr>
<th>Level</th>
<th>Male</th>
<th>Female</th>
<th>TOTAL</th>
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<td>3</td>
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<tr>
<td>Level 400</td>
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</tr>
<tr>
<td>RESIT</td>
<td>11</td>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>60</strong></td>
<td><strong>15</strong></td>
<td><strong>75</strong></td>
</tr>
</tbody>
</table>

**STAFFING POSITION**
The full-time teaching staff strength stood at six:

1. Senior Lecturer & Head
2. Lecturer
3. Assistant Lecturer
4. Part-Time Lecturer
5. Teaching Assistant
6. Administrative Assistant
7. Laboratory Technician

The Department was supported by two National Service persons and the following part-time lecturers, Teaching Assistants, Administrative Assistant and Laboratory Technician:
RESEARCH ACTIVITIES

Ogoe H. A.
- Design, construction, customization and integration of health information management system (Customization and testing of Care2x – an open-source health information system).
- Design and construction of open health educational resources.
- Design and construction of a national HIV anti-retrovirus drug resistance monitoring system.
- Data Mining, Machine Learning and Knowledge Discovery in Biology and Medicine. Some activities here involve developing predictive algorithms for perioperative adverse events.

Oppong I. A.
- Investigation of the Accuracy of Scatter Correction in 3D body scanning on the HR+PET tomography.
- Design of a ‘Flexo’ Scanner – A New Imaging Modality and Acquisition Technique.
- Computational Modeling of the human lung.
- The mechanics of the Intra Aortic Balloon Pump.
- Design of Spectral Shaping Operators for Seismic Amplitudes.

Kutor J. K.
- Comparison of arterial systematic vascular resistance (SVR) to blood flow for supposed healthy Ghanaians at different geographical areas (Northern, Central and Southern zones), and healthy Ghanaians at urban and rural areas to that of healthy adults reported in literature.
- Determination of SVR for some pathological cases like fever, hypertensive, diabetes and HIV cases.
- Biomedical Engineering (BME) training in Ghana.
- Training of Technicians for Medical Equipment Maintenance in Ghana.
- Investigation of Pre-Tertiary Technical Education in Ghana: Successes and Challenges.

Effah Kaufmann E. A.
- Design of scaffolds for tissue engineering applications.
- Characterization of natural materials.
- Application of Biomedical Engineering concepts to the solution of problems in the Ghanaian context.

CONFERENCES/ SEMINARS/ WORKSHOPS

Agbekoh P. E.
- 3rd Ghana Biomedical Convention [Member, Local Organising Committee], Accra-Ghana, August 11-13, 2010.

Oppong I. A.
  Title: Investigation of the Accuracy of Scatter Correction in 3D body scanning on the HR+PET tomography.

Effah Kaufmann E. A.
- IBM Centennial Lecture, University of Ghana, June 30, 2011.
- Seminar at Department of Biochemistry, Cell & Molecular Biology [Speaker], April 11, 2011.
- Kwanyako Senior High School 20th Anniversary and 3rd Speech and Prize Giving Day [Guest Speaker], Kwanyako, March 12, 2011.
- ORID Retreat, Koforidua, February 16-18, 2011.
- 62nd Annual New Year School and Conference [Panel Presenter], University of Ghana, January 10, 2011.
- 3rd Ghana Biomedical Convention [Chair, Local Organising Committee; Member, Scientific Committee], Accra—Ghana, August 11-13, 2010.

PUBLICATIONS

Agbekoh P. E.
Oppong I.A.


Kutor J.K.


Effah Kaufmann E.A.


VISITORS

During the period under review the Department was visited by:

- Mr. Charles Ackon (CEO) and technical staff of Mangel Klicks Company Ltd. on March 1, 2011 and May 24, 2011.
- Dr. Kathleen Sienko, Assistant Professor, Departments of Mechanical and Biomedical Engineering, University of Michigan, USA on March 2, 2011 and July 11, 2011.
- Dr. John Kudolo, Center for Behavioral Brain Sciences, Otto-von-Guericke University Magdeburg, Germany in May, 2011.

BENEFACTION

The Department received:

- An award of a notebook computer from MediWise International Company Limited for the Best Graduating Student in Biomedical Engineering, 2010 (Given at a ceremony in November 2011).
- A set of 3 Biomedical Engineering textbooks from Dr. John Kudolo.

The Department is grateful for these donations.

DEPARTMENT OF COMPUTER ENGINEERING

OVERVIEW

The Department graduated its third batch of students during the year under review. Out of a class of 15 students, 5 students had first class and 2 could not graduate as a result of not being able to meet Departmental requirements for graduation.

The Department continued to make considerable progress in terms of visibility of the programme to industry, exposure of students to industry, and quality of delivery in the midst of challenges of limited staff strength, laboratory spaces, and resources. To support its academic programme, the Department established relationship with Texas Instruments (TI)
of USA, Huawei Technologies Inc., Vodafone Ghana, and Howard University. The Department also made progress in recruiting 1 additional staff and have further initiated a process of recruiting 3 new staff to further strengthen its programme.

As part of the efforts to provide sound Engineering education to students, the Department managed to secure internship positions in industry for all its students in the various levels. Fields trips were also organized to selected industrial plants in Accra to augment the classroom teaching.

The Department also managed to complete its proposal for graduate studies (Master of engineering, master and doctor of philosophy) in computer engineering and submitted for approval for commencement from the 2011/2012 academic year.

**COURSES**
The Department continued to run its full complement of courses as approved by the University and provided students with training in courses that tend to drive technology including analogue and digital electronics, software engineering, embedded systems, digital signal processing, microprocessor systems and integration, computer architecture, artificial intelligence, database and information management and digital control systems, among others. The students also had the opportunity to solve a number of industry-driven projects.

**STUDENT NUMBERS**
The break-down of the number of students in the department at the end of the 2009/2010 academic year is as follows:

<table>
<thead>
<tr>
<th>Students</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Level 100</td>
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<tr>
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</tr>
<tr>
<td>5. Probation/Repeat/Deferment</td>
<td>2</td>
</tr>
<tr>
<td>6. Withdrawal</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>73</strong></td>
</tr>
</tbody>
</table>

**STAFF**
By the end of the 2010/2011 academic year, the department had 5 full time teaching staff, 3 part-time teaching staff, 2 teaching assistants, 2 national service personnel, 1 computer technician, and 1 administrative assistant. A summary of the staff in the Department is as follows:

To strengthen the staff position, the Department identified 3 prospective staff whose applications have been processed for engagement as full-time Faculty. Documentation for 2 other visiting professors was also processed for approval. The university also granted study leave to one member of staff to pursue his PhD studies starting August 1, 2011.

**VISITATION**
The Department hosted a team of 4 engineers from Texas Instrument who visited the Department for 2 days. Also, the Department received 5 graduate student volunteers from the MIT under the African Technology Initiative programme who provided 6-week training to students of the Department, Computer Science, and Ashesi University College on emerging web technologies and entrepreneurship.

**BENEFACTORS**
The Department received donation of 2 laptop notebooks and 2 mobile studio boards (for lab works) with from Prof. Kenneth Connor of the Rensselaer Polytechnic Institute (RPI), USA, to support academic work. The Department also received 2 stellaris development boards, 2 TMS320C550 DSP boards, and 2 Z430 chronos from Texas Instruments (TI) to support research projects. Also, the Department received 1 MSRHL201 magnetic swipe card reader/writer from Prof. Mecca Stephen Mecca of the Providence College of USA to support research project on the use of the students ID card for access control at the halls of residence, library, and other access-controlled facility of the University.

**PUBLICATIONS/BOOKS**
Mills, Godfrey

CONFERENCES/WORKSHOPS/SEMINAR
Mills, Godfrey
- Google sponsored workshop on “Google Faculty Summit for Europe, Middle East, and Africa”, May 7 – 14, 2011, Zurich, Switzerland.

Sowah, Robert

Armoo, Stephen

RESEARCH / PROJECTS IN PROGRESS
Mills, Godfrey
- Mobile shopping portal system for mobile users.
- Dental information management system for the University of Ghana Dental School.
- Mobile GSM/GPRS techniques for electricity monitoring and payment system for electricity utilities in Ghana – in progress.
- Biometric fingerprint encryption using AES and watermarking for security of data – in progress.

Bremang, Appah
- GPS/GSM based vehicle tracking and alert system for intercity commercial buses.

Okae, Percy
- SMS based product authentication system.
- Teletraffic analysis and simulation for non-geostationary mobile satellite systems.

Sowah, Robert
- Multisystem firmware for GPRS/GSM modules.
- Design of web interface for the purchase of investment products.
- Microcontroller-based traffic light control system – in progress.
- Development of a web-based personal health assistant system using Android OS on mobile phones - in progress.
- Development and deployment of domestic automatic water level measuring system - in progress.
- Development of web application for business transactions and payments on Android OS Mobile Phones - in progress.

Armoo, Stephen
- Load factor effects and throughput analysis in MIMO WCDMA.
- SMS based irrigation control.

DEPARTMENT OF FOOD PROCESS ENGINEERING
OVERVIEW
The Department of Food Process Engineering is presently offering only a BSc degree programme. There are plans to develop and start postgraduate programmes in the very near future. The total student enrolment is 65 comprising 45 males and 20 females, the details of students’ enrolment are show in the Table 1 below.

The department has been making efforts to maintain a strong collaborative relationship with the Food industry in Ghana, of particular mention is the collaboration with Accra Brewery Limited.
Table 1: Student numbers

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Level 100</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>45</strong></td>
<td><strong>20</strong></td>
<td><strong>65</strong></td>
</tr>
</tbody>
</table>

**STAFFING**
The full time academic staff strength of the department is 5. The department also has 3 part-time lecturers to augment the academic staff strength. The department has two (2) Teaching Assistants and two (2) National Service personnel to assist with teaching and learning (including laboratory practicals and tutorials).

**RESEARCH/PROJECTS**

**Sinayobye, E.**
- Physicochemistry of interfaces.
- Food Process Engineering: grains and cereals.
- Fermentation and Saccharification of Sorghum worts.
- Production of Juices.
- Size reduction and cross-contamination of Food commodities in an Accra market.
- Reduction of Pollution in International Waters.
- Water pollution.
- Production and processing of vegetable oils.

**Mensah-Brown, H**
- Processing of Liquid Foods.
- Analysis and Process Improvement of Systems for Production of Ethyl Alcohol.
- Measurement of the Viscosity and density of Squalane using the Vibrating wire viscometer-density meter.
- Measurement of excess thermodynamic and thermophysical properties (including excess volumes, excess refractive index, excess viscosity) of liquid mixture.

**Sefa-Dedeh, S.**
- Evaluation of process and product characteristics of groundnuts in Ghana.
- Quality Assessment of MD2 and sugar loaf and pineapples.
- Application of response surface methodology to the optimization of food processes.

**CONFERENCES/WORKSHOPS/SEMINARS**

**Sinayobye, E.**
- Title: IUFOST 15th World Congress in Cape Town South Africa 22-26/8/2010.
  - “Improvement of sorghum malt saccharification”, reference 0820.
  - Size Reduction of Food commodities and Industrial Safety Management in Accra Markets.

**PUBLICATIONS**

**Sinayobye, E.**
* - Sent for publication in Ghana Sciences Association Journal.
Mensah-Brown, H

Afrane, George

EXTENSION ACTIVITIES
Afrane, G.
- Chairmanship of team on Science & Tech Innovation Centers and Incubators in preparation of Ghana Food and Agricultural Processing Stakeholders meeting involving the CSIR and World Bank.

Mensah-Brown, H
- Member, Professional Practice and Ethics Committee of the Ghana Institution of Engineers.
- Member, National Technical Committee of the International Centre for Materials Science Technology (ICMST).
- Chairman of Chemical and Mining Division of the Ghana Institution of Engineers.

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

OVERVIEW
The Department played its full role in the young Faculty of Engineering Sciences teaching all advertised courses in the academic year under review. Student numbers were however lower than the expectation of the Department at all levels. For that reason one Senior Member offered to talk to Science students in the Senior High Schools in the Cape Coast municipality to expose them to the academic discipline of materials science and engineering and the job market in Ghana. One more lecturer left at the end of the first semester to pursue his PhD in the United States increasing the number of staff on study leave to two. One new lecturer and an Assistant Lecturer were added to the teaching staff. That enabled the Department to reduce by one the number of part-time lecturers.

COURSES
Bachelor of Science in Materials Science and Engineering (Ceramic Option). The programme has been restructured to offer two more options (Metals and Polymers) from the academic year under review. Students will go into these options when they get Level 300.

STUDENT NUMBERS
The break-down of the number of students in the department at the end of 2010/2011 academic year is as follows:

<table>
<thead>
<tr>
<th>No.</th>
<th>Students</th>
<th>No. of Male</th>
<th>No. of Female</th>
<th>TOTAL</th>
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<td></td>
<td>TOTAL</td>
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</tr>
</tbody>
</table>

ACADEMIC STAFF
Associate Professor  - 1
Lecturers  - 4
Assistant Lecturers  - 4
Part-Time Lectures  - 4
National Servicemen  - 2
Chief Technician  - 1
TOTAL
Visitors to the Department during the year
Professor Kwadwo Osseo-Asare

Benefactors
Mr Gibrine Adam and Ceramica Tamakloe remained sponsors of the Best Graduating student and the Best Level 300 student respectively. Prizes were not given out for the year because of the postponement until further notice, the Congregation Dinner during which such prizes are presented.

PUBLICATIONS

David Dodoo-Arhin


PROJECTS/RESEARCH IN PROGRESS

David Dodoo-Arhin

Synthesis and Characterisation of Graphene for photovoltaic applications.
Synthetic coarse aggregate in conventional concrete industry: a case study of used car tyres.

David Sasu Konadu

The characterisation and beneficiation of kaolin for the rubber, textile, and paper industries (with Johnson K. Efavi)

Johnson K. Efavi

Recycling of polymer to polymer ceramic composites (with B. Agyei-Tuffour and E. Annan)
Comparative development of porous ceramic bodies aluminosilicates for water purification

CONFERENCES/WORKSHOPS/SEMINARS

David Dodoo-Arhin

11th International Conference on Frontiers of Polymers and Advanced Materials (XI ICFPAM) (Incorporating Biomaterials Africa), Pretoria, South Africa. 22 - 27 May 2011.[Speaker].

David Sasu Konadu

Project proposal writing training, University of Ghana, Legon.

RESEARCH PROJECTS IN PROGRESS

Emmanuel Nyankson

- Application of eggshells as a stabilizer in expansive soils.
- Thermal and thermo-mechanical properties of alumino-silicate refractories produced in Ghana.
- Mathematical model for the direct reduction of iron in CO-H2 gas mixture.

Workshops Attended

- Grant winning proposal workshop organized by Ghana Academy of Arts and Science and the Royal society of Britain.2011.
- Effective Teaching and assessment workshop for newly appointed staff, Academic Quality Assurance Unit, University of Ghana, 2010.
FACULTY OF LAW

OVERVIEW
The Faculty of Law was first established as a department of the Faculty of Social Studies in the 1958/59 academic year and was granted Faculty status in the 1960/61 academic year. Its mission is to provide the best education, training and knowledge resources for the preparation of the legal minds and professionals capable of becoming the leaders of tomorrow. In fulfillment of its aspiration as outlined in 2006-2011 Strategic Plan the Faculty products are top quality students whose impact and contribution will be felt worldwide.

PROGRAMMES OFFERED
The Faculty offered the following programmes in the 2010/2011 academic year:

The Post-First -Degree LLB Programme for which the entry requirement is a good first degree from a recognized University and a pass in a selection test and an interview. In 2010/2011, the Faculty admitted one hundred and twenty two (122) applicants into the programme.

• Part-Time Option of LLB Programme
  The post-first-degree LLB programme has also since 2006/2007 been available on a part-time basis. Part-time students may complete the programme in either 3 or 4 years. In 2010/2011, out of the one hundred and twenty (120) students admitted into the programme about seven (7) opted to do it part-time.

The Post Graduate Programmes

LLM in Human Rights and Democratization in Africa:
This is a programme run jointly by the Faculty of Law, University of Ghana, with counterpart faculties in nine (9) other African universities. The programme is coordinated by the Faculty of Law, University of Pretoria, South Africa.

In 2010/2011, the Faculty of Law, University of Ghana hosted Four (4) students from the University of Pretoria under this programme, the students stayed for five (5) months attending seminars, conducting research and writing their dissertations. Internship for the students with some human rights organizations like the Ark Foundation was part of the package.

LLM and M.PHIL in Human Rights and Humanitarian Law
The programme was first mounted in the 2007/2008 academic year. The intake into this programme in 2010/2011 was two (2).

DEPARTMENTALISATION OF FACULTY OF LAW
The Departmentalisation of Faculty of Law into four Departments, namely International Law & Jurisprudence, Public Law, Private Law and Business Law was approved by the University Planning Committee at its meeting on September 6, 2010 subject to some amendments and the inclusion of a budget component. There is an urgent need for the departmentalization of the budget for the process however yet to receive approval from the Finance Committee.

STUDENT NUMBERS
Student enrollment and distribution in the year under review were as follows:

<table>
<thead>
<tr>
<th>Programme</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLB</td>
<td>122</td>
</tr>
<tr>
<td>LLM Pretoria Programme</td>
<td>4</td>
</tr>
<tr>
<td>LLM (IHR &amp; IHL) Ghana</td>
<td>5</td>
</tr>
</tbody>
</table>

STAFFING POSITION
The staffing position of the Faculty of Law in the year under review was 52, made up of 27 Senior Members, 20 Senior/Junior Staff and 5 National Service Persons.
The breakdown of the Senior Members (Academic) was as follows:

- Full-Time Lecturers: 19
- Lecturers on leave: 5
- Part-Time Lecturer: 1

**APPOINTMENTS/PROMOTIONS**

The strategic plan of the Faculty advocates developing and implementing a viable faculty and staff recruitment, retention and development. One (1) new appointment into Senior Member position was made for the Faculty.

**SERVICE TO UNIVERSITY COMMUNITY**

The Faculty provided legal advice to various units of the University and the University itself.

**PUBLICATIONS**

Publications, conference papers and research projects undertaken by individual Faculty Members were as follows:

**JOURNAL ARTICLES**

**PUBLICATIONS 2010-2011**

**Christine Dowuona-Hammond**

Books

**RESEARCH, TECHNICAL, CONSULTANCY REPORTS**


**Poku Adusei**


**Kofi Quashigah**


**Book Chapters**

CONFERENCE:
- Constitutional protection of religion and minority rights in Africa- Conference of the international consortium for law and religion studies. (KLARS), Santiago, Chile. 6TH to 12th September, 2011

Appiagyei-Atua, K.

Atuguba, R.A.

OTHER ACTIVITIES AND EXTENTION WORKS
Appiagyei-Atua, K.
- Member, Disciplinary Committee (Junior and Senior Staff).
- Member, Universitas Editorial Board.
- Member, Centre for Gender Studies and Advocacy (CEGENSA) Advisory Board.
- Member, UG Student Handbook Review Committee.
- Member, “Passing Through Accra: Legon International Seminar Series” Committee.
- Faculty of Law Representative, Faculty of Social Studies.
- General Editor, University of Ghana Law Journal.

Consultancy Projects
- Consultant for Third World Network (TWN), Research and publication project on “Environmental and Social Impact Assessment for the Mining Sector: Implications for the Oil Sector“ 2010.

Atuguba, R.A.
- Member, Executive Council of the Legal Resources Centre-Ghana.
- Member, National Media Commission Group of Experts on Public Broadcasting .
- Member, Ghana Advocacy Steering Committee for a Broadcasting Law.
- Chairman, Ghana NGOs/CSOs Standards Commission.
- Chairman, Ethics Board, Institute for the Advanced Study of Cultures, Institutions and Economic Enterprise.
- Executive Secretary, Constitution Review Commission .

Dowuona-Hammond, C.
- Chairperson, Board of Directors, Ghana Reinsurance Company Ltd.
- Member, Board of Directors, Epack Investment Fund Ltd.
- Member, Board of Directors, TF Financial Services Company, a wholly owned subsidiary of the Teachers’ Fund.
- Member, Steering Committee, Rights and Voice Initiative (RAVI).
- Member, Women in Law and Development in Africa (WILDAF), Ghana Branch.
- Member, Board of the Faculty of Law, University of Ghana, Legon, 2001 to date.
- Chairperson, Disciplinary Committee for Senior and Junior Staff, University of Ghana, 2007 to date.
- Faculty Representative, Academic Board.

Gyan, K.
- Legal Specialist – Land Administration Project (MLF&M) – Provides guidance to the Ministry of Lands, Forestry and Mines (MLF&M) through the Land Administration Programme Unit (LAPU) in the general review of enacted statutes on land and their harmonization with customary law.
Manteaw, S.O.
• Global Legal Counsel – Network for the Improvement of World Health.
• Legal Counsel – Self-Help Initiative and Support Services, Ghana.
FACULTY OF SCIENCE

OVERVIEW
The Mission of the Faculty of Science is to train innovative scientists with cutting edge knowledge of discipline, who will drive the national science policy with utmost diligence and excellence thereby bringing the University and the Nation abreast of current state of knowledge and progress in the field of science.

There were some administrative changes in the Faculty at the beginning of the 2010/2011 academic year; Prof. Ebenezer O. Owusu was appointed as the Vice-Dean of Science, Mr. Joseph O. Nkansah was transferred to the Faculty as the Faculty Officer and Mrs. Matilda Wilson succeeded Mr. E.B.B. Gyebi as the Head of Department of Computer Science. During the year under review, eight academic staff were appointed to bolster the academic staff in various Departments in the Faculty and seven Senior Members retired from the services of the university.

Regular monthly meetings were held between Heads of Department and the Dean during the year. These meetings provided the opportunity for brainstorming on developmental and academic issues in the Faculty.

For the fourth year in succession, the Faculty declared the results of Level 100 examinations on time. This enabled the Medical and Dental Schools as well as the School of Allied Health Sciences to conduct their interviews and offer admissions before the commencement of the 2011/12 academic year.

The Faculty Board met six times during the year under review to deliberate on various issues, including the approval of the following new undergraduate and graduate programmes:

Undergraduate Programmes
- Distance learning BSc programme in Botany
- Distance learning BSc programme in Animal Biology and Conservation Science
- BSc/BA degree in Actuarial Science

Graduate Programmes
- Modular graduate programme in Botany
- MSc/MPhil in Actuarial Science
- MSc/MPhil/PhD in Coastal Management
- MSc/MPhil/PhD in Aquaculture
- MSc in Mathematics

The Board of Faculty of Science also approved the change of name of Department of Oceanography and Fisheries to Department of Marine and Fisheries Sciences.

DEPARTMENT OF ANIMAL BIOLOGY & CONSERVATION SCIENCE

OVERVIEW
The Department of Animal Biology and Conservation Science (formerly “Zoology”) was established in 1948 at Achimota as one of the science Departments of the then University College of the Gold Coast, an affiliate of the University of London, UK. The Department moved to its present site on the Legon campus in 1960.

During the year under review, the Department continued to run undergraduate and postgraduate (MPhil and PhD) programmes which offer a variety of career options and provide the need versatility as far as the science-based professions are concerned. Some Senior Members continued to serve the university in key positions, notably Prof. Yaa Ntiamoah-Baidu as Acting Pro-Vice-Chancellor (ORID), Prof. Ebenezer O. Owusu, as Vice-Dean of the Faculty of Science, Prof. Daniel K. Attuquaye as Coordinator of the Environmental Science Postgraduate Programme under the Institute of Environment and Sanitation Studies (IESS), Dr. Langbong Bimi as President of the University Teachers’ Association of Ghana (UTAG)-Legon, and Dr. George A. Darpaah as Master of Mensah Sarbah Hall.
The Department offers Undergraduate and Postgraduate courses

Mr. Francis Gbogbo (Senior Lecturer) was Visiting Research Scholar at Indiana University, United States (August 2010- June 2011). Dr. David Wilson (Senior Lecturer) and Prof. Yaa Ntiamoa-Baidu (Professor) retired from the university.

Non-Academic Staff 14

(a) Total number at post: (8 Technical 1 Administrative, 1 Clerical and 4 Support Staff)

VISITORS

- Selected students from Senior High Schools who participated in the 1st Science, Technology and Innovation Education Camp in August, 2010 visited the Department on 26th August, 2010 to familiarize themselves with the Department’s activities.
- Students of Odorgonno Senior High School visited the Department in March 17, 2011 to have practical dimensions in Biology as a requirement in GES/WAEC Syllabuses.
- Students of Science and Mathematics Club from Ada Senior High School visited the Department in June 24, 2011 to familiarize themselves with the Department’s activities in order to heighten their interest in the study of science and mathematics.
- NEPA Staff School, Egbin-Ijede, Nigeria visited the Department’s Museum on August 29, 2011 as part of their educational trip.

BENEFACTORS:

- Prof. Steven Dadzie, Part-Time Professor, Department of Animal Biology and Conservation Science, donated assorted textbooks to the Department.

PUBLICATIONS IN REFEREED JOURNALS:


• Owusu, E.O. & Afful, E. (2011). Efficacy of Caroinal (Imadacloprid 5% + Tebuconazol 0.4%) in controlling Cowpea and Maize Weevils. Report to Environmental Protection Agency.


RESEARCH PROJECTS/ACTIVITIES

Prof. Daniel K. Attuquayefio
- Faunal survey of a mining concession in the Western regions of Ghana.
- Zoological basis of Ghanaian folklore and traditions.
- Small mammal and herpetofaunal community structure in selected protected areas in Ghana.

Prof. Ebenezer O. Owusu
- Screening of indigenous natural plants for bioactivities against insect pests.
- Effect of pesticides on the environment.
- Integrated pest management of mealybugs, aphids, whiteflies and other insect pests of vegetables and fruits.
- Elucidation of biomolecules associated with insect host finding, mating, eating, oviposition and probing.
- Mechanisms of insecticide resistance in homopteran insect pests.
- Insecticide screening and bioefficacy tests.

Prof. Dominic A. Edoh
- Isolation and characterization of fish parasites using electron microscopy.
- Characterization and management of parasitic infections in humans.
- Epidemiology of zoonotic diseases.
- Environmental health issues.

Dr. David D. Wilson
- Biological control of invasive terrestrial and aquatic weeds in Ghana.
- Biology and integrated management of household and structural insects.
- Use of gamma radiation for the management of a number of field and storage pests.

Mr. Francis Gbogbo

Dr. George A. Darpaah
- Enhancement of local stocks of Oreochromis niloticus for growth in severe environments.
- Environmental restoration programmes and development of sustainable fish producing facilities on abandoned mined-out pits in Ghana.

Dr. Lars H. Holbech
- Circannual patterns of forest bird vocalisations in the Ankasa Resource Reserve.
- Distribution and abundance of hornbills and other birds in relation to logging and hunting in Ghana.
- Bushmeat and hunting in Western Region.
- Effects of forest disturbances on bats and terrestrial small mammals.
- Forest bird density and selective logging.

Dr. Erasmus H. Owusu
- Investigations into wildlife diseases with focus on fruit bats and birds, in collaboration with the Wildlife Research Centre, Kyoto University, Japan.
• Patterns of habitat use and distribution of migrant birds wintering in Africa: assessing the reasons for massive declines in European populations (in collaboration with Royal Society for Protection of Birds, British Trust for Ornithology, and Ghana Wildlife Society).

• Study of the ecology of the grasscutter, in collaboration with the Wildlife Research Centre, Kyoto University, Japan.

Dr. Millicent A. Cobblah
• Diversity of insect pollinators, monitoring and management on mango farms.
• Flower visiting insects of ornamental plants in Accra.
• Parasitism of pest populations on cultivated cabbage sprayed with insecticide.

Mr. Godfred Futagbi
• Pathogenesis of malaria and endemic Burkitt’s Lymphoma.

Mr. Isaac F. Aboagye
• Molecular biology of Mycobacterium ulcerans and Buruli ulcer epidemiology.
• Control of human parasitic diseases.

Ms. Juliet Ewool
• Zoonotic pathogens in wild animals in Ghana, in collaboration with Kyoto University, Japan.

CONFERENCES/SEMINARS/WORKSHOPS

Dr. David D. Wilson
• Inception Workshop of the National Biosafety Framework Implementation Project. Erata Hotel, Accra. (Dec 5, 2011).
• Training Workshop for Distance Education Course Writers. Forest Hotel, Dodowa (January 26-29).

Dr. Langbong Bimi
• National Conference on Integrity, Commission on Human Rights and Administrative Justice (12th -14th October 2011).

Dr. Millicent Cobblah

Mr. Francis Gbogbo
• Workshop in Political Theory and Policy Analysis- Indiana University, Bloomington USA. Spring Colloquial (2011).

Mr. Isaac F. Aboagye
• International Conference on Buruli Ulcer, World Health Organization (WHO), WHO Headquarters, Geneva, Switzerland (22nd - 24th March 2010).
DEPARTMENT OF BIOCHEMISTRY, CELL AND MOLECULAR BIOLOGY

OVERVIEW
Recent advances in the field of Life Sciences have been propelled by research in Biochemistry, Cell and Molecular biology. Whilst biochemistry studies the chemical processes of the cell, cell biology deals with the structure and function of the cell and molecular biology focuses on the molecular basis of life processes. The aim of these three disciplines is to provide an understanding of the molecular mechanisms of biological processes. They are laboratory and research based sciences that apply the concepts of Biology and Chemistry to the vastly different biological systems. There are close links with other specialized fields of life sciences, such as Genetics, Immunology, Microbiology, Physiology, Pharmacology, Toxicology and Virology.

COURSES OFFERED
• BSc Biochemistry (Single Major)
• BSc Biochemistry (Combined Major)
• BSc Biochemistry, Cell and Molecular Biology
• MPhil Biochemistry
• PhD Biochemistry

Student Numbers:
• Undergraduates: 200
• Postgraduates: MPhil: 10; PhD: 4

STAFFING
Academic Staff - 16
Non-academic Staff: - 9
Administrative Staff - 2
Junior Staff - 3

VISITORS
• Prof. David Conway, Professor of Biology, Dept. of Pathogen Molecular Biology, Faculty of Infectious and Tropical Diseases, London School of Hygiene and Tropical Medicine, London

BENEFACTORS
• American Society for Cell Biology
• Nestle Ghana Ltd
• Centre for Scientific Research into Plant Medicine, Mampong

PUBLICATIONS


Projects/Research in Progress

• Alternative molecular mechanisms for erythrocyte invasion by Plasmodium falciparum in Ghana.

Conferences/Workshops/Seminars: Several
OVERVIEW
The Department continued to promote botanical research and training of young graduates in various field of Botany. The department still continued to offer extension services including identification of botanical specimens to various departments in the University and to many public institutions and organizations.

During the year under review, students were equipped to explore the wide diversity of plants and other organisms on earth and also appreciate the importance of plants and other organisms to humans.

COURSES OFFERED
The Department ran courses in Biology at levels 100 and 200. Courses in various fields of Botany covered Algae and Freshwater Biology, Biometry, Principles of Genetics, Bryophytes, Pteridophytes and Gymnosperms, Plant Anatomy, Plant Ecology, Plant Physiology, Plant Taxonomy, Mycology.
Postgraduate courses were Plant Anatomy, Plant Ecology and Conservation; Genetics; Fungal Physiology, Soil Microbiology and Plant Pathology; Physiology; Plant Physiology; Plant Taxonomy; Algae and Freshwater Biology; Plant Biodiversity.

Some of the courses in Pharmacy were taught by our Lecturers.

Practical fieldwork was organized for students of BIOL 101: Interactions in Nature BIOL 202: Introductory Plant and Animal biology: and BOTN 427: Conservation and Environmental Studies.

Student Number

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>668</td>
</tr>
<tr>
<td>200</td>
<td>269</td>
</tr>
<tr>
<td>300</td>
<td>56</td>
</tr>
<tr>
<td>400</td>
<td>2</td>
</tr>
<tr>
<td>M.Phil I</td>
<td>7</td>
</tr>
<tr>
<td>M.Phil II</td>
<td>6</td>
</tr>
<tr>
<td>Ph.D</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>1012</td>
</tr>
</tbody>
</table>

STAFFING

- Academic Staff: 11
- Post Retirement Contract: 10
- Teaching Assistant: 4
- Non-Academic Staff: 21

VISITORS

Accreditation Panel from National Accreditation Board visited the Department on 18th -19th July, 2011 for Botany Programme assessment.

BENEFACTORS

The Legon Lions Club donated One Thousand (1000) Litre Polytank to the Botanical Gardens

The Department received Twenty-two (22) boxes of Books donated by Dr. Adjoa Richardson Ahedor, a past student of this Department & Science and Maths Club (Sigma Alpha Mu) of Rose State College Midwest City, Oklahoma, USA on behalf of the Faculty of Science. The books have been dispatched to the Faculty.

PUBLICATIONS

Prof. (Em.) Ebenezer Laing
- Member of Committee, to review Fundamental Laws of the University of Ghana, chaired by Prof. C.E.K. Kumado
- Member, Publications Committee, Ghana Academy of Arts and Sciences
- Member, Implementation Committee of Proposed Anglican University College
- Chair, then Member, Promotions Committee, Cocoa Research Institute, Tafo
- Member, Council of Ghana of Physicians and Surgeons, from 9th April 2010, for two years
- Adisadel College Centenary Award: Distinguished Old Boy, 17th July 2010

Prof. I.K. Asante
- Kofi Annan, Asante Isaac Kayo, Asare Cindy, Asare-Nkansah Samuel, Bayor Marcel Tunkurognea (2010). Profile of heavy metals in some medicinal plants from Ghana commonly used as components of herbal formulations. Pharmacoguossy Research Vol 2 (1) 41-44.

Prof. G.K. Ameka

Dr. Alex Asase

Dr. Ebenezer Owusu

Dr.(Mrs.) E.E. Adomako

Mr. S.S. Koranteng

Mr. Vincent von Vordzogbe
• In Amoah C.M., Adiku S.G.K. and Owusu E.O. (Editors) New developments on health, agricultural resources and socio-economic activities in the Volta Basin.

Individual and departmental project and research in progress

Prof. I.K. Asante
Genetics and breeding of
• Ghanaian legumes
• Root and tuber crops
• Medicinal Plants

Prof. G.K. Ameka
• Aquatic plants of Ghana Project.
• Biology and ecology of Rheophytes (particularly the family Podostemaceae) in Africa.
• DNA barcoding the Podostemaceae of Africa (including Madagascar)
• DNA barcoding medicinal plants and trees of Ghana.
Dr. (Mrs. E.E. Adomako)
- Factors influencing arsenic speciation in rice
- Assessing the impacts of e-waste dumping at Agbogbloshie, Accra
- Analysis of mining impacts in the Anum Valley

Dr. Alex Asase
- Documentation and investigation of biodiversity particularly plant diversity.
- Farming and biodiversity conservation especially in cocoa growing landscapes.
- Ethnobotany, conservation and sustainable use of medicinal plants.
- Biodiversity informatics for cooperation, conservation and sustainable development

Dr. Ebenezer Owusu
- Pathogenic reactions of cocoyam varieties in Ghana to strains of S. rolfsii Sacc from different regions of Ghana.
- Monitoring of the occurrence, distribution and seasonal periodicity of water moulds in water and submerged of selected water bodies in Accra.
- Comparative study of the incidence of conidia of Aspergillus species in selected suburbs of Accra with reference to meteorological factors.

Mr. S.S. Koranteng
- Current Practices, Farmers’ Perception and Extent of use of Pesticides in Vegetable Farming in the Afram Plains
- Water Sources and Quality, Schistosomiasis and HIV/AIDS in the Afram area
- Water collection Patterns: Implications for the Prevalence of STDs in Afram area of the Volta Basin.

CONFERENCES SEMINARS AND WORKSHOPS ATTENDED OR ORGANIZED

Prof. I.K. Asante
- West African Regional Stakeholders Meeting on the Neglected and Underutilized Species Project. 8th to 10th June, 2010 at Cotonou, Benin.

Mr. S.S. Koranteng
- Final Workshop of the Ghana Taxonomic Needs Assessment (TNA). 12th – 15th April, 2010 at Erata Hotel, East Legon; by WAFRINGET-Ghana

Dr. (Mrs) E.E. Adomako

Dr. Alex Asase
- Biodiversity Information Standards (TDWG) 2010 Annual Conference in Wood Holes, Massachusetts, USA, 26th September 2010- 1st October, 2010.
- Global Biodiversity Information Facility (GBIF) Africa Regional Meeting at Imperial Resort Hotel, Entebbe, Uganda. 30th August -1st September, 2010.
- Summer Course on Modelling and Mapping Species Distributions at the University of Amsterdam, Netherlands, 20th -24th June, 2011 (Organizer’s Contact: dr. Prof. Loon, Emiel van. Email: E.vanLoon@ uva.nl)
- South African Biodiversity Information Facility (SABIF) Workshop on Geo-referencing at University of Cape Town, South Africa, 4th-8th April, 2011 (Organizer’s Contact: Hyleen Ferguson, Email: H.Ferguson@sanbi.org.za)
- Global Biodiversity Information Facility (GBIF) Africa Regional Meeting at Imperial Resort Hotel, Entebbe, Uganda, 30th August – 1st September, 2010 (Organizer’s Contact: Hyleen Ferguson, Email: HFerguson@sanbi.org.za)
DEPARTMENT OF CHEMISTRY

OVERVIEW
The Chemistry Department continued to play a major role in the education of undergraduate and postgraduate students in the Science Faculty.

PROGRAMMES OFFERED

B.Sc, M.Phil and Ph.D

3. The Department had the following student numbers at the various levels.

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>882</td>
</tr>
<tr>
<td>200</td>
<td>480</td>
</tr>
<tr>
<td>300</td>
<td>117</td>
</tr>
<tr>
<td>400</td>
<td>57</td>
</tr>
<tr>
<td>M.Phil Part I</td>
<td>11</td>
</tr>
<tr>
<td>M.Phil Part I</td>
<td>11</td>
</tr>
<tr>
<td>PhD</td>
<td>2</td>
</tr>
</tbody>
</table>

The large number of students especially in levels 100 and 200 continued to pose a major problem to the Department especially with respect to practicals. Lecturers continued to be overloaded because of the large number of students and this affected their research output tremendously.

The lack of basic equipment for research continued to hamper research in the department. Glasswares and chemicals supply are either insufficient or delivered late.

Practical classes were usually organised around the same skill acquisition and this was due to the large student numbers and the non availability of inputs for skill training in other areas of the subject.

Student interest in the subject is picking up as could be seen in the increased number of students registering for the course at levels 300 and 400. Unfortunately commensurate increase in numbers at the post graduate level has not been seen and this is largely due to students having knowledge of the problems their seniors in such programmes face due to lack of facilities. The department is ready to launch its website to promote its visibility and encourage interaction with the public.

Some members of the department continued to serve on various boards and also as examiners of the West African Examination Council.

For the year under review the department had the following staff at post

STAFFING

<table>
<thead>
<tr>
<th>Staff Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Staff</td>
<td>22</td>
</tr>
<tr>
<td>Non-Academic Staff</td>
<td>27</td>
</tr>
</tbody>
</table>

Visitors To The Department of Chemistry

Prof. Yaw Sogah – from University of Cornell
EXTENTION ACTIVITIES
Some members of the Department continued to provide services to the various boards and institutions including:
- Ghana Standard Board – Technical Committee
- West African Examinations Council.
- Ghana Atomic Energy Commission
- Environmental Protection Agency

PUBLICATIONS
- Julius N. Fobil, Derick Carboo, Daniel K. Attuquayefio, Frederick K. Rodrigues, Sybill Sorg
- Assessing Municipal Solid Waste (MSW) for composting programmes in rapidly urbanizing areas: A case study from Accra, Ghana.
CONSULTANCY EXECUTED

• Tema Lube Oil Company Limited “Re-Assessment of Workplace and Ambient Air Quality and Noise Level” (2011)
• Tema Lube Oil Company Limited “Analysis of Boiler Flue Gas” (2010)
• Sonitra Company Ltd. Analysis of Aggregate for Road Construction (2008 – 2010)
• Grontmij/Carl Bro As Analysis of Aggregate for Road Construction (2011)
• Reynolds Construction Company (Nig)Limited Chemical Analysis of Aggregates for Road Construction (2011)

RESEARCH COLLABORATION WITH INDUSTRY AND OTHER RESEARCH INSTITUTIONS

One institution in Europe University of Aberdeen is currently collaborating with the department by providing spectroscopic data for research work.

A TALIF grant of $200,000 being handled by Dr I. V . Oppong on the studies of constituents of Piper Guineese shum and Thonn (piperaceae) as potential Anti-aids Agents is still ongoing. This grant is a World Bank/Ghana Government grant.

• A Fourier Transform Infra Red (FT-IR) machine was acquired through a TALIF project being handled by Prof Ivan Addae- Mensah, Dr. I. V . Oppong and Dr. Dorcas Osei- Safo
• Prof. Pearson a one-time lecturer in the department paid a courtesy call to the department on his recent visit to Ghana.
• Kasapreko Company currently has a collaborative research project running in the department. A mini bus has also been donated by the Company to enhance the project.
• A WHO grant of $11,500 is being managed by Prof Ivan Addae-Mensah for postgraduate research on analysis and quality assurance of Anti-malaria drugs.
• EDiF Funded project of GH¢ 92,347.91 value. Project is on research into finding value added products of Medicinal Plants. Researchers are: Dr I.V Oppong and Dr W. Affo
• IFS grant of $1200 is being managed by Dr Kweku Kyeremeh on research into Herbal Alcoholic beverages from Ghana.
• A University of Ghana research fund of $17000 is also managed by Dr Kweku Kyeremeh on research into Marine Natural Products Cytotoxics.

DEPARTMENT OF COMPUTER SCIENCE

OVERVIEW

The Department of Computer Sciences continues to play a leading role in the training of middle-level skilled manpower for the country’s Industry. The opportunities and potential jobs in Computing and Information Technology in Ghana are enormous and therefore there is great deal of pressure from both fresh and continuing students on enrolment.

COURSES/PROGRAMMES

There have been no substantial changes in the programmes that the Department offers for the BA and BS.c Degrees. However, much emphasis is now being placed on the practical components of all the courses and collaborative links are being established with the Computer industry in order to offer the appropriate manpower training and vigorous research efforts into areas in which Computer and Information Technology can best serve the needs of the nation. Below are courses offered by the Department.

**Level 100**

- CSCD 110 Introduction to Computer Science I
- CSCD 102 Introduction to Computer Science II

**Level 200**

- COMP 201 Information Systems
- COMP 202 Programming in Java
- COMP 203 Computer Systems
- COMP 204 File Organisation
- COMP 205 Principles of Programming
- COMP 206 Data Structures
Level 300
COMP 301 Object Oriented Analysis & Design using UML
COMP 302 Databases
COMP 303 Object Oriented Programming Using C++
COMP 304 Computer Organisation and Assembly Language programming

Level 400
COMP 401 Operating Systems
COMP 402 Systems Programming
COMP 403 Computer Hardware
COMP 404 Microprocessor Interfacing
COMP 405 Simulation
COMP 406 Design and Analysis of Algorithms
COMP 407 Compiling Techniques
COMP 408 Data Communications and Networking
COMP 410 Project
COMP 412 Expert Systems

STUDENTS NUMBERS
Level 100 - 217
Level 200 - 118
Level 300 - 117
Level 400 - 139
591

Academic Staff Position
The Department’s academic staff position is very disturbing, considering the number of students the Department has. Currently, there are only (7) full-time Senior Members in the Department (one is on study leave) who are assisted by three (3) part-time lecturers.

Three persons have applied for appointment as lecturers at the Department. The processing of their applications is at the final stage and we hope their applications will be success to boost the academic staff strength of the Department. We will need office spaces to accommodate the new lecturers when they are finally employed.

Non-Teaching Staff
We have two Senior Staff and 4 (four) Junior Staff.

PUBLICATION
• Individual and Departmental project and Research in Progress
• At the moment, a research work is on going by Mr. J.A. Aryeetey on the topic, Study of Computer Ethics, Education and Compliance in Ghana.

ADDITIONAL RELEVANT INFORMATION
Service Courses
The Department provides service courses to the following
• College of Agriculture & Consumer Sciences
• School of Public Health
• College of Allied Health Sciences, Korle-Bu
• Legon Centre for International Affairs (LECIA)
• School of Pharmacy

Balme Library has supplied us with about forty computer science books this semester. These books have been added to our library book stock. We plan to dispose of the old books and replace them with current ones to reflect the current trends in computer science. A photograph of the Library is attached.
The Department benefitted from donation of science text books to the faculty of science by some Ghanaians. We received about eighty (80) current and useful computer science text books from the donation. These books have been added to the Department’s Library.

Our Computer Science Laboratory is networked to connect one hundred and ten computers. Twenty of these network points are the project laboratory when final year students write their computer programmes for the final year project work. Computers are yet to be connected to these network points. Students therefore use their notebook computers at the laboratory to do their project work see the attached photograph.

We currently have 40 computers are the main teaching laboratory (Connected to The network) for internet access though the teaching laboratory capacity is 80.

COURSES OFFERED
During the year under review, the Department ran 11 courses for Level 200 students, 9 for Level 300 students and 15 for Level 400 students.

DEPARTMENT OF MATHEMATICS

OVERVIEW
Again this year the department’s specific objectives for the session included increasing the number of senior faculty and improving research output. We have been unsuccessful in recruiting senior and experienced faculty, although one assistant lecturer was appointed in September 2010 and at the end of the session two assistant lecturers were appointed. In addition, we have had some expressions of interest from potential visiting professors. Dr. Maciej Dunajski successfully renewed funding for his role as mentor under the Mentoring African Research in Mathematics programme, an initiative of LMS-IMU-ICMS-AMMSI, funded by the Nuffield Foundation and the Leverhulme Trust.

Four MPhil part II candidates were awarded financial assistance from the Next Generation of African Academics programme funded by the Carnegie Corporation. Five of the completed MPhil candidates have applied to the department for teaching assistantships and are keen to progress towards PhD programmes and two have accepted offers of admission to PhD programmes outside. During the session, one MPhil student was chosen for an exchange programme with Rochester University. The exchange was very beneficial to the student, who was still able to complete his research for the MPhil thesis and submit it in time.

Two faculty members were awarded research grants under the Carnegie funded Next Generation of African Academics programme and were admitted to our PhD programme and by the end of the session, another two faculty members had submitted their applications for Carnegie funding to undertake sandwich PhD programmes. In addition, one faculty member who has completed the research component of his PhD successfully applied for funding from the Carnegie Corporation to enable him to spend time at his supervisor’s institute, Heriot-Watt University, Edinburgh, to complete the write-up of his thesis.

The department is in communication with faculty of Rochester University, several of whom are keen to extend the exchange programme to include more MPhil students. In addition, we are jointly planning a workshop to be held at Legon, June-July 2012, to address innovative techniques of teaching and assessing mathematics at the tertiary level.

The department continued to experience increased interest in its graduate programmes. Eight MPhil students completed in the session and are awaiting determination of results and 12 applicants were selected to begin MPhil part I in the next academic session.

Prof. N.K. Kofinti decided at the end of the first semester of the academic session, that he would not continue his part-time lecturing in the department. The department is most grateful for his years of service. Senior administrative assistant, Mr B. Impraim retired.

COURSES/PROGRAMMES
At the undergraduate level, the department offered single subject and combined major programmes to B.Sc students and major-minor and combined major programmes to B.A. students. A total of 32 undergraduate courses were offered. In addition the department offered the service course, General Mathematics I, to Biological Science, Agriculture and
Home Science students. It also ran two service courses (one each semester) for the School of Pharmacy, College of Health Sciences. In addition, graduate assistants assisted in tutorials for the university required Numeracy Skills course.

**STUDENT NUMBERS**

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>No. students</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>510</td>
</tr>
<tr>
<td>200</td>
<td>386</td>
</tr>
<tr>
<td>300</td>
<td>184</td>
</tr>
<tr>
<td>400</td>
<td>98</td>
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<tr>
<td>600 ptI</td>
<td>0</td>
</tr>
<tr>
<td>600 ptII</td>
<td>8</td>
</tr>
<tr>
<td>PhD</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1190</strong></td>
</tr>
</tbody>
</table>

A total of 1024 students did MATH 101 General Mathematics I in the first semester of the session.

**Graduation**

<table>
<thead>
<tr>
<th>Faculty/Class</th>
<th>1st</th>
<th>2nd Upper</th>
<th>2nd Lower</th>
<th>3rd</th>
<th>Pass</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>2</td>
<td>9</td>
<td>17</td>
<td>6</td>
<td>1</td>
<td>35</td>
</tr>
<tr>
<td>BSc</td>
<td>8</td>
<td>10</td>
<td>17</td>
<td>4</td>
<td>0</td>
<td>39</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>10</td>
<td>19</td>
<td>34</td>
<td>10</td>
<td>1</td>
<td>74</td>
</tr>
</tbody>
</table>

**STAFFING**

**Academic Staff**

- Full-time: 2 Senior Lecturers, 5 Lecturers, 2 Assistant Lecturers
- Part-time: 1 Professor, 2 Senior Lecturers

**Non-Academic Staff**

- 3 Senior Staff
- 3 Junior Staff

**VISITORS (since last report)**

Dr. Maciej Dunajski, (DAMPT and Clare College, Cambridge) (MARM mentor) visited the department in January 2011. He gave a series of seminars on Integrable Systems and other elements of his research. He also discussed topics for research with prospective graduate students who were teaching assistants and national service personnel in the department and he has kept in continuous communication with faculty members in respect of their potential PhD candidature.

Dr. Bernd Schroers (Heriot-Watt University, Edinburgh) - 4th-29th April 2011. He engaged in external supervision and collaborative research with P.K.Osei. He also ran a most beneficial workshop on research and publication in mathematics. Faculty members, M Phil students, Teaching Assistants and National Service Personnel all benefitted from the workshop. Details can be found at https://sites.google.com/a/nexstein.org/researchskills/

Professor Patrick Dorey (Durham University) - 26th-29th April 2011. He gave a seminar entitled: The Soliton: John Scott Russell’s great wave of translation. He also engaged with faculty members and prospective graduate students in discussing research.

**BENEFACTORS**

The department again received support from I.C.T.P. for hosting the 16th Edward Bouchet/Abdus Salam Regional College on Functional Analysis and its Applications.

The department is grateful to Tropical Cables and Conductors Ltd for offering a plane ticket to a student to enable her to proceed to Canada for graduate studies at Brock University.
We are also grateful to the Carnegie Corporation for enabling us to begin refurbishment of the graduate room, acquire two computers with advanced computational ability and to purchase some more graduate text books.

**PUBLICATIONS**
- Acquaah, P., 2011, For each the interval contains a prime number), accepted, electronic journal Integers; www.integers-ejcnt.org/.

**Other Publications**
- Ogbogbo, P.C.N., 2011, Numerical methods, published by the Distance Learning Centre, University of Ibadhan.

**PROJECTS/RESEARCH IN PROGRESS**
- Osei, P.K., Non-commutative algebras and quantisation; in collaboration with Bernd Schroers.
- Acquaah, P., Prime numbers in short intervals and various prime number conjectures.
- Schwinger, E.K.A., Fourier transforms and image processing; ship detection through synthetic aperture radar imagery.
- Ogbogbo, P.C.N., Financial mathematics
- Katsekpor, T., Extending the Kurzweil-Henstock integral to more general spaces.
- De-Graft Mensah, J., Homogenization of differential equations; in collaboration with Dr. E.K.Essel (UCC) and Prof Lars-Erik Perrson.

**CONFERENCES/WORKSHOPS/SEMINARS**
MPhil students gave short presentations of their research in the afternoon sessions.

Throughout the session the departmental seminar series was well supported.

**Faculty members attended conferences as below**
- Katsekpor, T.: attended the International Congress of Mathematicians, August 2010, in Hyderabad, India.
- Osei, P.K.: went to Stellenbosch University and AIMS-South Africa as a visiting researcher 7th-28th November 2010. He gave a talk entitled “General Relativity with tetrads and differential forms”. He also went to Heriot-Watt University, Edinburgh on a research visit, 8th May-31st August 2011. He delivered a paper entitled “Semiduality and quantisation ambiguities in 3d-gravity” at the North British Mathematical Physics Seminar 30-University of York on 10th June 2011. (Abstract is published in NBMPPS 30-University of York).
- Schwinger, E.K.A. attended the First Kenyatta University International Mathematics conference, 8th - 10th June 2011. He delivered a paper entitled “Application of Fourier Series to 1-2-3 dimensional signals with examples in Matlab”, which is to be published in the proceedings.
- Acquaah, P., also had a paper entitled “On the existence of infinitely many prime numbers in polynomial sequences” accepted for the proceedings of the First Kenyatta University International Mathematics conference, 8th - 10th June 2011.
DEPARTMENT OF NUTRITION AND FOOD SCIENCE

OVERVIEW
About Us: The Department of Nutrition and Food Science was established in 1962 with the mandate to train professionals in Nutrition and Food Science. The Department is under the Faculty of Science of University of Ghana, Legon. It offers programmes leading to the award of a BSc, MPhil or PhD degree.

Mission: To teach, research and provide extension services in Nutrition and Food Science

Vision: To be a sustainable centre of excellence in teaching, research and extension in the disciplines of Nutrition and Food Science, consistently developing programmes for teaching and research that meet national needs and are competitive to global standards

About the Programmes: Two different programmes are run in the Department; Nutrition and Food Science. For the Bachelor’s degree, one may pursue a combined degree either in Nutrition and Food Science or Nutrition and Biochemistry. The postgraduate degree is awarded either in Nutrition or Food Science.

Programmes are run through lectures, laboratory practicals, fieldwork, seminars, industrial internships and research projects designed to meet national needs and conform to international standards.

Entry Requirement: Science students (SSSCE/WASSCE) are admitted into the programme after one year of University studies in basic sciences of Biology, Chemistry, Physics and Mathematics

Food Science
Food Science and Technology may be defined as an integrated body of knowledge concerned with the understanding, handling and transformation of food substances for maintenance of quantity and quality.

The programme covers three broad areas; Science and Technology, Commodity processing and Specialised Industries. Science and Technology involves Food Chemistry, Biochemistry and Analysis, General and Food Microbiology and Biotechnology, Post-harvest Technology and food storage, Food Quality Control, Food Laws and legislation, Product development, Research in Food Science and Technology among others.

Commodity Processing looks at the processing of Agricultural Food produce such as Fruits and Vegetables, Roots and Tubers, Cereals and Grains, Dairy, Fish and Meat, Cocoa, Coffee and Sugar.

Specialised Industries – On the basis of the resources and economy of Ghana, these areas and many others are given special attention in teaching and technical training and extension:
1. Fruit and vegetable processing
2. Vegetable oil industry
3. Traditional food processing technologies
4. Brewing technology and non-alcoholic beverages
5. Cocoa and chocolate technology
6. Thermal processing and canning technology
7. Environmental science and by-products utilisation in the Food industry

Nutrition
It is the study of food and nutrient needs of the body for good health.

A. Courses offered include but are not limited to Human Physiology, Nutritional Biochemistry, Nutrients and their Metabolism, Nutrition through the life cycle, Diet and Diseases, Nutrition and National Development, Interfaces of Nutrition, Food and Agriculture, Clinical Nutrition

B. Priority areas for the Nation are reflected in the teaching, research and extension work in the following fields: Evaluation of Nutritional Status, Protein and Energy Nutriture, Micronutrients in Nutrition e.g. Iodine Deficiency, Infant and Young Child Nutrition, Nutrition and Non-communicable diseases
Career Opportunities: The integration of scientific, technical, industrial and community-based field studies prepares our graduates to meet challenges in:

- Government
- Industry (both small and large)
- Research Institutions
- Specialised Agencies such as development oriented NGOs

Consultancy: As part of extension efforts, faculty members of the Department offer consultancy and advisory services to government, food industries and other interested organisations. The Department also develops and runs appropriate short courses and training programmes for industry and government agencies.

Nutrition Research and Training Centre
University of Ghana reaches out to rural communities with improving nutritional status through activities at the newly established Nutrition Research and Training Centre at Asesewa in the Eastern Region.

The centre is contiguous with the Asesewa government hospital, opening opportunities for clinical rotation in dietetics to provide support in dietetic services to the hospital. The surrounding rural communities provide an ideal locale for community-based research in nutrition-related problems. The facility is possible because of primary financial support of USAID through the Global Livestock CRSP. Funds for equipment for the centre were provided by IDRC.

COURSE
The Department offers Undergraduate and Postgraduate courses

STAFFING
Academic Staff 19
Non-Academic Staff 16

BENEFACTOR
- Myroc Food Processing Company

PUBLICATIONS
• Anihouvi VB, Saalia, F., Sakyi-Dawson E, Ayernor GS and Hounhouigan JD. 2011. Response Surface methodology for optimizing the fermentation conditions during the processing of cassava fish (Pseudotolithus sp) into Lanhouin. International Journal of Food Engineering Science and Technology (IJEST) 3(9) 7085-7095.


• Emmanuel Ohene Afoakwa, Jennifer Quao, Jemmy Takrama, Agnes Simpson Budu and Firibu Kwesi Saalia 2011. Chemical composition and physical quality characteristics of Ghanaian cocoa beans as affected by pulp pre-conditioning and fermentation Journal of Food Science and Technology DOI: 10.1007/s13197-011-0446-5


BOOKS AUTHORED


CHAPTRES IN BOOKS COS-AUTHORED


PROJECTS/RESEARCH IN PROGRESS

• International Development Research Institute Center (IDRC) Chair in Nutrition for Health and Socioeconomic Development in Sub-Sahara Africa. July 2009- June 2014

• Childhood obesity survey: assessing the nutritional status of school-going children in Accra and Kumasi. IDRC-funded project. Dec 2009- Present
• Assessing the impact of a nutrition education with agriculture intervention on nutritional status of mothers in the Upper Manya-Krobo district. IDRC-funded project. Dec 2009- Present
• Development and evaluation of lipid-based nutrient supplement for prevention of malnutrition: an innovative food-based approach. Bill and Melinda Gates funded project to University of California, Davis. Funded by BMGF grant to University of California, Davis; sub-contract to University of Ghana. Jan 2009 to present
• Safe food-fair food project . Jan 2009-present
• UG-INF-Ajinomoto Joint Complementary Foods project Jan - 2009-present
• USAID funded Peanut CRSP Project with the University of Georgia (2008-2012)
• Studies on the optimization and Industrialization of the Pito process (2009-11)
• Studies on the industrialization of the Ga kenkey production process: optimisation of energy and water usage (2009-2011)
• Analyzing all major Ghanaian Cassava varieties to recommend those with safe leaves for vegetable usage. Jan 2009-present
• 2UNIFEM/Leverhume Trust Grant: “Research, Training, Counselling & Legal Support to Prevent, and Ameliorate the effects of Violence and HIV-infection among Selected Groups in Southern Ghana” (with Centre for Gender Studies & Advocacy, The Ark Foundation and the Domestic Violence Coalition).
• MARS OPPORTUNITIES FOR MOTHERS (MOM) project. to develop and test nutritious food products for consumtion by vulnerable populations in West Africa. Department of Nutrition and Food Science, University of Ghana. 2009-present

CONFERENCES/WORKSHOPS/SEMINARS
• Larney A. London School of Hygiene and tropical Medicine, UK. Presentation: Maternal HIV status and the growth of Ghanaian children in the first year of life: findings from the RIING Project. London, UK. Feb 1, 2011
• Larney A. Leveraging Agriculture for improving nutrition and Health conference. Presentation: Achieving MDG1 in Ghana: The role of agriculture. New Delhi, India. Feb 10-12. 2011
• Larney A. FAO Technical meeting on “Improving the dietary intakes and nutritional status of infants and young children through improved food security and complementary feeding counseling” Rome at FAO Headquarters. March 7-8, 2011
• Larney A Global Alliance for Improved Nutrition (GAIN) Maternal and Infant and Young Child Nutrition (MIYCN) working group meeting. Presentation: Revising Codex Guidelines on complementary food supplements. Washington DC, USA April 6, 2011
• Larney A International Lipid-based nutrient Supplement Study (iLiNS) network meeting. Tapping the Codex Alimentarius process to improve the nutrition of older infants and young children. Washington DC, USA. April 8, 2011
• Larney A McGill University, Montreal Canada. Presentation: Tapping the Codex process to improve infant and young child nutrition. April 19, 2011

UNIVERSITY OF GHANA
2012 ANNUAL REPORT
• Setorglo, J., Owusu, O.W. and Steiner-Asiedu, M. Nutrient Intake and Quality of Life of HIV Individuals in Ghana. Published at the II World Congress of Public Health Nutrition and I Latin American Congress of Community Nutrition in June 2010.


• Djameh C., Sinayobye E., Budu A.S., Asante N.D., Saalia F.K. Improvement of sorghum malt saccharification. IUFoST, August 2010, Cape Town, South Africa

• Djameh C., Sinayobye E., Budu A.S., Asante N.D., Saalia F.K Development of a novel lager beer from sorghum malt. IUFoST, August 2010, Cape Town, South Africa

• Linda Asante, Betty Bediako-Amoa, Esther Sakyi-Dawson, Matilda Steiner-Asiedu and Firibu K.Saalia Development and assessment of the physical and nutritional properties of a groundnut-based ready-to-use therapeutic food. Annual Conference of the Institute of Food Technologists (IFT) July 2010, Chicago, USA


• Wisdom Wardy, Witoon Prinyawiwatkul, Firibu Kwesi Saalia, Effects of soybean oil, chitosan and their emulsions in maintaining the quality and extending the shelf-life of eggs. IFT July 2010, Chicago, USA

• Allison R. Bechman, Firibu K. Saalia, Jinrui Chen, Robert D. Phillips Formulation and development of a ready-to-use therapeutic food for malnourished pregnant women in Mali. IFT July 2010, Chicago, USA

• Allison R. Bechman, Firibu K. Saalia, Jinrui Chen, Robert D. Phillips. Saccharolytic enzymes in rice and barley koji. IFT July 2010, Chicago, USA


DEPARTMENT OF MARINE & FISHERIES SCIENCES

OVERVIEW
The Department continued to play leading role with regards to teaching and research in the multi-disciplinary field of oceanography & fisheries. The practical and applied nature of the training provides students with the requisite knowledge and skills that will enable them to avail themselves of employment opportunities in the fishing industry, management, conservation, education, protection, policy, funding, food and agriculture, as well as embark on individual initiatives or further studies in a range of academic fields. A residential field work involving investigation of topics of scientific interest and their social implications continues to be the core aspect of the programme, as well as the requirement for all students to learn how to swim and survive on aquatic expeditions.

The past academic year has seen the continued growth of the Department in many respects including international linkages, student numbers, research projects, teaching and learning facilities, and involvement of staff in national and international programmes. As a centre of excellence for Productivity and Biodiversity assessment in the Guinea Current Large Marine Ecosystem (GCLME), the Department continued to provide leadership to the sixteen countries bordering the GCLME. The Department continued its collaboration with the Ghana Atomic energy Commission (GAEC) and the International Atomic Energy Agency (IAEA) on food chain transfer of harmful algal bloom (HAB) toxins and heavy metals in seafood, as well as the TC regional project RAF/7/008 “Enhancing Regional Capability for the Assessment of Contamination in the Marine Environment”. The Regional Program of Physical Oceanography in West Africa (PROPAO) based in Benin ended during the academic year. Two Ghanaian students received scholarships under the project and successfully undertook postgraduate (M.Phil.) degree programmes in Physical Oceanography at the University of Abomey-Calavi (UAC) in Cotonou, Benin. The research component of the PROPAO project has been transferred to the new JEA1 ALOC-GG project which would provide financial support for maintenance of ONSET thermometers at Takoradi. The Department is represented by Mr. A. K. Armah and Dr. K. Appeaning-Addo.

Further, the Department is carrying out a research on medium-scale impacts (i.e. shoreline evolution) and assessment of meso-scale continental shelf events (i.e. upwelling). This is being supported by the Office of Naval Research of the United States Navy. Some of the objectives of the research include: Numerical modeling of shoreline change in Ghana; Application of satellite imageries in the detection and analysis of oil spills and maritime traffic in the Gulf of Guinea; and Investigation of the upwelling phenomenon and its contribution to fisheries. The project is also supporting the training of one M.Phil. and three PhD students.

COURSES AND SERVICES OFFERED
The Department offered courses at both undergraduate and graduate levels. Our level 200 Introductory Oceanography and Fisheries course has become a very popular free elective for many students in the faculty. The undergraduate programme admitted students from all disciplines in the Faculty of Science at level 300 for a combined major in Oceanography and Fisheries. At the graduate level, students specialized in Fisheries Science, Physical-, Chemical-, Biological- Oceanography, or marine Geoscience. A wide variety of courses were offered at both the undergraduate and graduate levels. The undergraduate courses included Fisheries Science, Limnology, Coastal Geomorphology, Coastal Management, Fish Physiology, Seamanship, Marine Ecology, Aquaculture, Benthic ecology, Marine Pollution, Fishing Technology, and Remote Sensing Applications to Marine Science. Some of the M.Phil. courses offered are Aquaculture, Fisheries Management and Economic Studies, Fisheries Techniques, Law of the Sea, Coastal Zone Management, Chemical Oceanography, Ecology of Fishes, Fisheries resource Dynamics and Assessment, Fish Nutrition and Energetics, and Oceanographic Techniques.

STUDENT NUMBERS
Core undergraduate student enrollment
Level 300 - 19
Level 400 - 16

Students who took electives from the Department
Level 200 - 202
Level 300 - 139
Level 400 - 35
Postgraduate student enrollment
M.Phil. I - 8
M.Phil. II - 7
Ph.D. - 9

STAFFING POSITION

Academic Staff
1 Associate Professor (on contract)
4 Senior lecturers
6 Lecturers (2 on full time, and 2 on part time study leave)
1 Assistant lecturer (on part time study leave)
7 Part time teaching staff

Non-academic Staff
3 Senior Staff
2 Junior Staff

PUBLICATIONS

• Kwarfo-Apegyah, K. and Ofori-Danson, P.K. (2011) Spawning and Recruitment patterns of major fish species of Bontanga Reservoir in Ghana, West Africa. (accepted for publication in the Journal of Lakes and Reservoirs, Australia).

RESEARCH PROJECTS / ACTIVITIES
• Assessment of persistent trace metals and persistent organic pollutants in harbour sediments.
• Assessment of radionuclides in the marine bottom sediments
• Biomonitoring of trace contaminants and seafood safety assessment along the Ghana coast
• Coastal and continental shelf processes
• Coastal processes research funded by the Office of Naval Research, USA.
• CRC-URI/ICFG. Critical Habitats Assessment of Western Region Project.
• Dynamics of poverty in small scale fisheries.
• Eco-functional biodiversity of macrobenthic fauna in the Guinea Current Ecosystem.
• Environmental Gradient Analysis of macrobenthic fauna of coastal lagoon.
• Fish Stock Assessment Study and Management Plan for the Bui reservoir. One PhD (Fisheries Science) student is on this project
• Functional diversity of shorebirds in Sakumono II lagoon.
• Impacts of Coastal environmental education on school children in Basic and Senior High Schools.
• Pesticide contamination in groundwater and surface water
• Preliminary assessment of macrobenthic fauna in the deep water Jubilee field
• Remote sensing application in vessel detection, oil spill monitoring, and marine productivity assessment
• Sea level rise impact research
• Seafood safety assessment
• Spatial assemblages of benthic macro-invertebrates in the continental shelf of Ghana.
• Sustainable food production through irrigated intensive farming systems in West Africa (Acronym: SIFA). This project is being undertaken in the Keta Sandpit area and hosted by the Ecological Laboratory Centre, University of Ghana and receiving support from DANIDA, with collaborators from the University of Copenhagen, Denmark. One Ph.D (Fisheries Science) student from the Department of Oceanography and Fisheries, University of Ghana is currently a beneficiary from this on-going project.
• Trace metal contamination assessment in lagoonal systems
• Water quality assessments and ship’s Ballast Water Management (BWM)
CONFERENCES/WORKSHOPS/SEMINARS

Dr. F. K. E. Nunoo

Prof. P. K Ofori Danson
• 28th August – 4th Sept, 2011: Undertook a work programme with counterparts at the University of Copenhagen and Aarhus University, Denmark, as part of the FFU/DANIDA Sponsored project: Sustainable Food Production through Irrigated Intensive Farming Systems in West Africa (SIFA).

Mr. A. K. Armah
• International Training Workshop on Marine Pollution and Conservation. 28-30 September 2011, La Palm Beach, Accra. Power point presentation on “Marine Conservation and Development”.
• Regional Training Workshop on Mariculture Development in the GCLME (Guinea Current Large Marine Ecosystem), 23-25 February, 2011, Accra, Ghana.

Dr. G. Wiafe

Dr. E. Nyarko
• Mid-term Co-ordination Meeting on Enhancing Regional Capability for the Assessment of Contamination in the Marine Environment (RAF/7/008), 25th -27th August, 2010, Vienna, Austria. Sponsored by the IAEA.
• National Sensitization Missions on Ballast Water Management to Liberia and Senegal, 21-26 November, 2010. Sponsored by the GEF/UNIDO/UNDP/UNEP/IMO.
• National Training Course on Port Biological Baseline Survey (PBBS) Lagos, Nigeria, 8-12 August, 2011. Sponsored by the GEF/UNIDO/UNDP/UNEP/IMO.
• Working Group 39 Meeting of United Nations Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP WG 39) on Global Trends in Pollution of Coastal Ecosystems: Retrospective Ecosystem Assessment. 3-5, April 2011, IAEA Marine Laboratories, Monaco. Sponsored by the IAEA.

Dr. K. Appeaning-Addo
• Delft3D modelling, UNESCO-IHE Water Institute, Delft Netherlands. 1st to 31st August.
• Physical Oceanography Colloquium in Cotonou, Benin. 1st to 5th November 2011
• Seventh exclusive economic zone management course. Ghana armed forces command and Staff College. 13th to 17 February, 2012.

Mr. E. Lamptey
• Exchange Programme between University of Ghana and Duquesne University for Emerging Professionals in the Environment and Extractive Industry (June-July 2010).
DEPARTMENT OF PHYSICS

OVERVIEW
The Department of Physics offers Bachelor of Science and MPhil degrees. The reviewed BSc programme (the four-year-degree programme) is in the second year of its implementation. The graduate courses are currently under review.

The Department has a total of eighteen (18) faculty members. Six (6) of the faculty members have post-retirement appointments. Only three (3) of the remaining faculty members possess PhDs. Therefore nine (9) faculty members have enrolled in a part-time PhD or are seeking admission to a PhD programme.

Prof. Evang. E.K. Osae, who was on a post-retirement contract in the Department, passed away.

Generally, research activities have increased considerably.

The senior staff consists of eight (8) males and two (2) females; the junior staff consists of ten (10) males and one (1) female.

COURSES OFFERED
Courses offered are Undergraduate and Post-graduate

STAFFING POSITION

<table>
<thead>
<tr>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Staff</td>
</tr>
<tr>
<td>Non-Academic Staff</td>
</tr>
</tbody>
</table>

VISITORS

- Prof. Victor Tshivhase, North-West University, Mafikeng, South Africa
- Dr. Akosua Anyidoho, New York University in Ghana, Cantomens, Accra
- Daniel Stein (Professor of Physics and Mathematics), Dean of Sience 6 Washington Sq. N., 3rd Floor, New York, NY 10003

BENEFACTORS

- Dr. Joseph Daniel Intsiful donated PIC Programmer & Experimentation Board, USB Experiment Interface Board and Advanced Solderless Bread Board to the Department.
- Mr. Joseph Antah donated physics textbooks on behalf of the University of Ghana City Campus Library

The Department is grateful for these items.

ON GOING RESEARCH

Hughes Allison Felix

- Characterization and Source Apportionment of Particulate Matter in Urban Air in Ghana
- Energy, Air Pollution and Health Inequality in Accra, Ghana in collaboration with Harvard School of Public Health, USA
- Performance Efficiency of Flat-plate Solar Ray Collectors

Kuditchen Amos

- Thin Film Solar Cells
- Electroless Discharge
- Studies of Biophysical Properties of Plants in collaboration with Department of Botany

Baidoe-Adeleye Merkin Emmanuel

- Atmospheric Radio Refractivity over Hinterland and Coastal Areas in West Africa

Eghblewogbe Nana Yaw Hama

- Optical and Electrical Properties of Semiconductor nanocrystal/polymer hybrid materials
Yankson Alfred Ato
- Concentration of Solar Energy for Steam Production

Kattah Victor Kwabena
- Investigation of the thermal insulation properties of some roofing materials
- Determination of the damping coefficient of automobile oil shock absorbers
- Estimate of natural evaporation using the Bowen ratio-energy method

Michael Addae-Kagyah
- Incorporation of extended kinetic closures into plasma models pertinent to proposed nuclear-fusion energy production systems.
- Analysis and design of a new method of generation of energy from marine or ocean waves (in collaboration with a senior member at the department of oceanography).
- Analysis, design and development of Energy-1: an integrated set of software tools for the comprehensive auditing, simulation and evaluation of energy systems.
- Development of vartheta function and its mathematical properties suitable as an accurate replacement of the zeta function approximation usually used in plasma dynamics and electrodynamics.
- Research on a local design and development of a radio-carbon dating system and procedures for archeological dating purposes in Ghana (in collaboration with a senior member at the department of archeology).
- Energy-X: Toolkit for Energy Systems Analysis

Nkrumah-Buandoh George Kofi
- Electrical and Thermal Properties of Carbon Nanotubes
- Electronic Structure Calculations
- Studies of Biophysical Properties of Plants in collaboration with Department of Botany

CONFERENCES/SEMINARS/WORKSHOPS
- Institutional Seminar on BioMEMS and Bionanotechnology: Interfacing Biology Medicine and Engineering at the Micro and Nano Scale, Noguchi Memorial Institute for Medical Research, January 12, 2012
- Departmental Seminar on Renewable Energy Systems, Department of Physics, November 15, 2011

EXTENSION ACTIVITIES
Kuditcher Amos
- Member of the Committee set up to write Distance Education Modules for PHYS 143: Mechanics and Thermal Physics, PHYS 144: Electricity and Magnetism, PHYS 101: Practical Physics I and PHYS 102: Practical Physics II
- Member of the Ghana Standards Authority Appointment Board
- Member Radiation Protection Institute/Radiation Protection Board

Joanna Aba Hodasi Modupeh
- Member of the Committee set up to write Distance Education Modules for PHYS 143: Mechanics, Thermal Physics and PHYS 144: Electricity and Magnetism, PHYS 101: Practical Physics I and PHYS 102: Practical Physics II
- Member of the Planning Committee of the Faculty of Science Colloquium

Abraham Amankwah
- Member of the Committee set up to write Distance Education Modules for PHYS 143: Mechanics, Thermal Physics and PHYS 144: Electricity and Magnetism, PHYS 101: Practical Physics I and PHYS 102: Practical Physics II
- Tutor, Akuafo Hall

Yankson Alfred Ato
- Member of the Committee set up to write Distance Education Modules for PHYS 143: Mechanics, Thermal Physics and PHYS 144: Electricity and Magnetism, PHYS 101: Practical Physics I and PHYS 102: Practical Physics II
- Secretary, UTAG – UG
DEPARTMENT OF STATISTICS

OVERVIEW
We wish to re-echo our concerns raised in the VCs report at the 2011 congregation.

The Department is still without complete internet connectivity in spite of the persistent demands we have made to the ICT Directorate. Some rudimentary wiring has been done in about four offices using inadequate Departmental resources and the Chinese have installed a machine for connectivity but the service is generally poor and of little utility with intermittent breaks.

Since the creation of the Department of Statistics about thirty nine years ago, the Departmental Library has been manned by a long chain of Cleaners, Messengers and Teaching Assistants with no requisite expertise for the job. The result has been theft of important recommended texts and reference books for undergraduates by past students and the library now exists virtually in name. The Head of Department is chary of recommending the purchase of any new books because those that were bought with scarce University resources by him and by his predecessors have disappeared and the growth of the library together with its high patronage by students has suffered. Efforts at securing the services of a junior professional departmental librarian have attracted only a tangential solution by way of the extension of the service period of a National Service Personnel, a professional librarian, to July 31, 2012.

The computer laboratory is still far away from realizing its optimum capacity of forty to fifty computers. There are only ten computers in fairly good working condition. Refurbishment of the laboratory and the appointment of a full-time Computer Technician remain urgent.

Most of the furniture in the lecture rooms, especially Room 004 and Room 202 have disappeared leaving the lecture rooms in a deplorable state with virtually no furniture.

COURSES AND SERVICES OFFERED
The available programmes in the Department are B.A. / B.Sc., M.Phil and Ph.D. The options under B.Sc. are (a) Single Subject Major (b) Combined, and under B.A. there are (a) Combined Major (b) Statistics Minor. The popular combinations with Statistics are Computer Science, Mathematics, Economics, Psychology, Geography and Physics.

A full time programme in BA/BSc Actuarial Science will be offered in 2012/2013 academic year subject to approval from the Academic curriculum, Quality and Staff Development (ACQSD) and Academic Board.

STAFFING POSITION
Academic Staff 7
Part-Time Lecturers 4
Non-Academic Staff 5

RESEARCH PROJECTS
Atsem, F. K.
• Semi Primitive Non-Negative Matrices and their Applications, including Countable Stochastic Matrices and Markov Chains.
Danso-Manu, Marjorie
• Information Systems for District Mutual Health Insurance Schemes.
• Assessment of Educational Attainment in Basic Schools.

Nortey, E. N. N.
• Reject Inference in Modeling Students’ Performance in the University of Ghana, Legon. (Ph.D)

Mettle, F. O.
• Ergodic Theorems and Allied Aigenvalue Problems (Ph.D)

Baidoo, I.
• Modeling Student career choices A discrete choice analysis
• Statistics pedagogical challenges: solutions and remedies.
• Actuarial capacity Analysis, of the Ghanaian Insurance market

Doku-Amponsah, K
• Large Deviations for Fitness Preferential Attachment Models of Random Graphs.

Minkah, R.
• Forecasting Volatility in Thin Emerging Markets.
• New Parameter Estimation Methods for Autoregressive Models
• How many Fire Engines can Greater Accra Manage With?

PUBLICATIONS/PAPERS PRESENTED
Nortey, E. N. N.

Mettle, F. O.

Doku-Amponsah, K.
• Large Deviation Results for Multitype, Galton-Watson tree. (Submitted to Electronic Journal of Probability)

CONFERENCES/WORKSHOPS/SEMINARS
E. N. N. Nortey
• Proposal Writing Workshop organized by Organization, Research and Innovation Directorate (ORID), University of Ghana, Centre for African Wetlands (CAW), 14th – 17th June, 2011.
• Organizational Review & Planning and Meeting organized by National Population Council Secretariat (NPCS); Chances Hotel, Ho, 23rd – 27th January, 2011.
• Annual Collaboration workshop of the Ghanaian-German Division for Development Studies organized jointly by Institute of Statistical, Social and Economics Research (ISSER) and University of Bonn, Germany; Conference Hall of Noguchi Memorial Institute for Medical Research (NMIMR) University of Ghana, Legon, 4th October, 2010.

Minkah, R.
• The Use of R-Statistical Package in Statistical Research. Regent University College, June 2011. (Seminar)

Dr. I. Baidoo
• Mendeley Citation Management Workshop, New York, USA
INSTITUTE FOR ENVIRONMENT AND SANITATION STUDIES

OVERVIEW
The year 2010/2011 academic year was quite challenging as the Institute had just taken off in its operation as an academic unit of the University. The Institute was established in May 2010 by the University of Ghana Council Paper 4(6) 2009-2010 as a collaborative project between the Government of Ghana and the University.

During the year under review, the three existing units under the Institute, namely: Environmental Science Programme, Ecological Laboratory and Volta Basin Research Project were reorganized by reassigning staff, setting up the Institute’s secretariat, allocating offices to administrative staff and research fellows, as well as putting in place students lecture hall and library.

COURSES AND SERVICES OFFERED
Environmental Science Programme (ESP)
The Environmental Science Programme which has been in existence since 1998 offers a multi-disciplinary programme by collaborating with the Faculties of Science, Social Science and Law to roll out its programmes.

The Institute during the year under review admitted twenty-eight (28) M.Phil and nine (9) PhD students into the Environmental Science Programme.

Graduate Students Numbers
At the end of the academic year, the ESP had a student population of 58 at various stages of completion. They comprised seven (7) PhD students and fifty-one (51) M.Phil students.

ECOLOGICAL LABORATORY (ECOLAB)
The ECOLAB supports PhD and Masters Degree research projects of the Faculties of Science, Agriculture and Social Science, primarily through the provision of laboratory equipment for the physical and chemical analyses of soils, water and plant samples.

The Ecological Laboratory is also the host institution for the West Africa Journal for Applied Ecology (WAJAE).

Below are research projects undertaken by students at the Ecological Laboratory

<table>
<thead>
<tr>
<th>NAME</th>
<th>DEPARTMENT</th>
<th>DEGREE</th>
<th>TITLE OF THESIS</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isaac Abrah</td>
<td>Food Science</td>
<td>M.Phil</td>
<td>Cowpea pot induction</td>
<td>2010</td>
</tr>
<tr>
<td>Nathaniel Kafui</td>
<td>Environmental Science- KNUST</td>
<td>M.Phil</td>
<td>Assessing the Water Quality of Borehole Water in the Adenta Municipality and their Sanitary Inspection of the Greater Accra region.</td>
<td>2010</td>
</tr>
<tr>
<td>Kodjo Dumashie</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anita Adjowa</td>
<td>Chemistry</td>
<td>M.Phil</td>
<td>Extent of Mercury and Selenium Interaction in the Weija Lake.</td>
<td>2011</td>
</tr>
<tr>
<td>Oppong</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rita Agyare</td>
<td>Food Science</td>
<td>M.Phil</td>
<td>Nutritional composition of leafy vegetables that are commonly consumed in Ghana.</td>
<td>2011</td>
</tr>
<tr>
<td>Opoku Antwiwaa</td>
<td>Botany</td>
<td>M. Phil</td>
<td>Ecology Of Disturbance And Gap Dynamics In The University Of Ghana (ARC), Kade.</td>
<td></td>
</tr>
<tr>
<td>Maxwell Haizel</td>
<td>Chemistry</td>
<td>M.Phil</td>
<td>Assessment of Heavy metals contaminants in fertilizers used on cocoa farms and their contribution to the levels in the soil and cocoa beans</td>
<td>2010</td>
</tr>
<tr>
<td>Jerry K. Ndzinu</td>
<td>Bochemistry</td>
<td>M.Phil</td>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>Isaac Kwabena Asare</td>
<td>Graduate School of Nuclear and Atomic Sciences (SNAS)</td>
<td>M.Phil</td>
<td>Radiation Modification of Cassava Starches for Industrial Application</td>
<td>2011</td>
</tr>
<tr>
<td>Dauda Lambert</td>
<td>Material Science and Engineering</td>
<td>BSc.</td>
<td>Application of Egg Shell as a stabilizer in Expansive soils</td>
<td>2011</td>
</tr>
<tr>
<td>NAME</td>
<td>DEPARTMENT</td>
<td>DEGREE</td>
<td>TITLE OF THESIS</td>
<td>YEAR</td>
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</tr>
<tr>
<td>Paul Agbotse</td>
<td>Nutrition and Food Science</td>
<td>M.Phil</td>
<td>Effects of fruit condition and processing equipment on the quality and yield of crude palm oil.</td>
<td>2011</td>
</tr>
<tr>
<td>Festus Kojo Acquah</td>
<td>Biochemistry</td>
<td>BSc.</td>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>Collins Asante Danso Polycarp Edem Kuvodu</td>
<td>Biochemistry</td>
<td>BSc.</td>
<td>Biochemical, Physic-Functional And Structural Characterisation Of Cultivated Species Among Ghanaian Yam (Dioscorea) Germplasm.</td>
<td>2011</td>
</tr>
<tr>
<td>Fleischer Albert</td>
<td>Environmental Science</td>
<td>M.Phil</td>
<td>Assessment Of Heavy Metal Pollution At The Tema Port Using Sediment, Water And Biota.</td>
<td>2011</td>
</tr>
<tr>
<td>Samuel Essuman</td>
<td>Chemistry</td>
<td>BSc.</td>
<td>Quality of Tap water in Dansoman and its environs in the Accra Municipality</td>
<td>2011</td>
</tr>
<tr>
<td>Frempong Peter Ansong</td>
<td>Soil Science</td>
<td>M.Phil</td>
<td>Phosphorus pools in a long term fertilized soils under oil palm plantation. Innocent</td>
<td>2010</td>
</tr>
<tr>
<td>Kumashie</td>
<td>Environmental Science</td>
<td>M.Phil</td>
<td>Municipal Solid Waste Management: A case of Communal Container System in Accra Metropolitan Assembly</td>
<td>2010</td>
</tr>
<tr>
<td>Una Kwanwinang Ang-Numbaala</td>
<td>Earth Science</td>
<td>M. Phil</td>
<td>Assessment Of Groundwater Quality In Some Parts Of Accra.</td>
<td>2010</td>
</tr>
<tr>
<td>Eric Nartey</td>
<td>Environmental Science</td>
<td>M.Phil</td>
<td>Sludge Analysis</td>
<td>2010</td>
</tr>
<tr>
<td>Wilson Asamoah</td>
<td>Environmental Science</td>
<td>M.Phil</td>
<td>Linkages between plant diversity environmental factors and carbon storage in a forest in Ghana.</td>
<td>2011</td>
</tr>
<tr>
<td>Mohammed Mutala</td>
<td>Environmental Science</td>
<td>M.Phil</td>
<td>Sludge Analysis</td>
<td>2010</td>
</tr>
<tr>
<td>Bismark Sasah</td>
<td>Chemistry</td>
<td>M.Phil</td>
<td>Plant Analysis</td>
<td>2010</td>
</tr>
<tr>
<td>Angela Lamptey</td>
<td>Oceanography and Fisheries</td>
<td>PhD</td>
<td>The biotope’s response to drip irrigation on the Keta Lagoon fisheries</td>
<td>2011</td>
</tr>
<tr>
<td>Mutala Edem Baba</td>
<td>Soil Science</td>
<td>M.Phil</td>
<td>Dynamics of N and P on an acrisol and vertisol amended with two fertilizers</td>
<td>2010</td>
</tr>
<tr>
<td>Eric Oppong Danso</td>
<td>Agricultural Engineering</td>
<td>PhD</td>
<td>Response of okra to micro irrigation in a semi-arid coastal savannah region of Ghana</td>
<td>2011</td>
</tr>
</tbody>
</table>

**STAFFING**

During the year under review, the Institute had twenty – nine (29) academic and non academic staff.

The breakdown is given in a tabular form below:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
</tr>
<tr>
<td>Research Fellow</td>
<td>9</td>
</tr>
<tr>
<td>Assistant Registrar</td>
<td>1</td>
</tr>
<tr>
<td>Administrative Assistant</td>
<td>1</td>
</tr>
<tr>
<td>Accounting Assistant</td>
<td>1</td>
</tr>
<tr>
<td>Junior Research Assistant</td>
<td>1</td>
</tr>
<tr>
<td>Senior Clerk</td>
<td>2</td>
</tr>
<tr>
<td>Chief Technician</td>
<td>1</td>
</tr>
<tr>
<td>Senior Technician</td>
<td>1</td>
</tr>
<tr>
<td>Technician</td>
<td>3</td>
</tr>
<tr>
<td>Senior Typist</td>
<td>1</td>
</tr>
</tbody>
</table>
**Staff Recruitment**

During the 2010/2011 academic year, two senior members were recruited. A non-academic senior member (Assistant Registrar) in the person of Mr. William Asare and an academic senior member (Research Fellow) Dr. Daniel Nukpezah.

A senior staff in the person of Mr. Mercer Sarquah was also engaged on post-retirement contract basis to assist with laboratory work at the Ecological laboratory.

Two research fellows in the persons of Mr. Benjamin Ofori and Mrs. Dzidzo Yirenya Tawiah were awarded PhDs.

Staff of the Institute also taught courses in (undergraduate) in the departments of Botany, Animal Biology and Conservation Science, Geography and Resource Development, Soil Science, as well as Oceanography and Fisheries.

**PUBLICATIONS/PAPERS**

Publications and on-going research undertaken by individual senior members during the year are as follows:

**Christopher Gordon**


**Mr. Jesse Sey Ayivor**

Publications

- Achieving triple wins: identifying climate smart investment strategies for the coastal zone Climate and Development Knowledge Network (CDKN).
- Halting the menace; improving the Management of Ghana’s Coasts. Hanns Seidel Foundation.
- National diagnostic on knowledge gaps and research capacity. Climate and Development Knowledge Network (CDKN) and University of Ghana.
- Building capacity to meet the climate change challenge (B4C) –Ghana: water and water resources work package. Open Society Institute (OSI).
- Understanding the Findings of the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report “Climate Change 2007” – Integrating Climate Change Adaptation and Mitigation in Development Planning. World Meteorological Organisation (WMO); Intergovernmental Panel on Climate Change (IPCC); United Nations Environment Program (UNEP); Global Change System for Analysis Research and Training (START); Institute of Resource Assessment (IRA) of the University of Dar es Salaam; University of Ghana (UG); and the Bangladesh Center for Advanced Studies (BCAS).
**Conference/Seminar/Workshop Presentations**

- Stakeholder validation workshop on draft guidelines and policies relating to environment and social issues in the mining sector. Oak plaza Hotel, 13-14 September 2010. Resource person.
- Workshop on the preparation of the second set of Policy Advisory Series (PAS) on climate change and disaster risk reduction. Erata Hotel, 10 May 2011: Presentation: “Climate Change in Ghana: Integrating Gender Issues”.
- Establishing international BTU alumni groups: China, Cameroon, Poland, Ghana and Mexico. Cottbus, Germany. 14-20 June 2011.

**On-going research**

Assessment of how knowledge of the causes of multiple pressures on water resources, including pollution, assists in identifying and promoting effective policy options to resolve these pressures

**Methodology**

The purpose of the assessment is to provide information on causes of multiple pressures on water resources based on existing knowledge, and how this knowledge can help identify and engineer policy options to address these pressures. The ultimate goal is to foster a greater understanding of the severity of multiple pressures on water resources and their social causes and the policy options available for solving them.

The assessment will be community-based and will involve stakeholders, who may be individuals, groups, policy makers and/or communities who through their directly or indirectly actions generate these multiple pressures on water resources or could influence the effective management of these pressures. Stakeholder involvement is crucial because through the process of negotiation and modification they can embrace adaptive measures by integrating scientific information into their own social, economic, cultural, and environmental context aimed at addressing these pressures.

Knowledge of multiple pressures to be assessed will include deforestation in watershed areas, river impoundment, stream pollution through small scale mining operations, inappropriate use of agro-chemicals within water source catchments, indiscriminate waste disposal, discharge of industrial effluent into water bodies, habitat and community modification, stream sedimentation, unsustainable exploitation of fisheries and other aquatic resources, and global climate change and its effects on water resources which may be an external driver.

**Pertinent questions on knowledge assessment will include**

- Who the perpetrators of these pressures are (community members, remotely perpetrated, corporate entities, illegal operators,
- Extent of these pressures and whether local livelihoods are seen as being threatened by these pressures
- Causes of pressures
  - livelihood enhancement – farming, fuel wood extraction, small scale mining, grazing, logging, sand winning, etc.
  - bad environmental practices – indiscriminate waste disposal, clearance of water catchment areas, stream diversion, bad fishing practices, etc.
  - External factors - government policy, market demands, affluence of the rich, climate change, etc.
- Effects of multiple pressures on water resources – drying up of water bodies, pollution of water bodies, habitat destruction, flooding, reduction in fish stock, effects on primary productivity and food chain, etc.
- Community initiatives to reduce these pressures
- Policy options
The knowledge assessment will be done through a combination of qualitative and quantitative research methods. An exploratory survey will guide study sites selection.

**Qualitative methods:**
In-depth qualitative research will serve as an essential tool in assessing local knowledge of causes of multiple pressures on water resources, whether or not this knowledge has helped in appreciating the need for sustainable water resource management, how this knowledge is applied to halt activities that are inimical to the sustainability of water resources, means of sharing of this knowledge, positive outcomes in the application of this knowledge and hindrances to the application of the knowledge. The qualitative research will be based on participatory appraisal methodologies including

- focus group discussions involving gender-balanced community groups to assess their knowledge of multiple pressures on water resources
- interviews with community chiefs, elders and other opinion leaders
- on-site observation of human activities that constitute the multiple pressures.

A research team constituting at least five people will be needed for a successful survey. The team will be made up of a leader and four assistants. Notes taking and tape-recording techniques will be employed where appropriate for information recording on the field.

Sample selection for group discussants and individual interviewees will be based on a purposive non-probability sampling technique. The employment of this technique will ensure that in a heterogeneous population where different stakeholders are involved, at least each interest group will be represented.

**Analysis of qualitative data:**
Thematic technique will be employed in analysing qualitative data. This will be done by breaking down the responses into various themes for orderliness and systematic presentation. In addition, facts and opinions commonly expressed by majority of the respondents will be taken as factual statements. The use of types of coding that identifies important trends and relationships in the data will be employed. For example, systems of ranking terms like “very high”, “high” and “low” will facilitate description of the respondents’ perception of the degree of intensity, severity, or otherwise of issues under investigation. Guided by the responses, detailed description of knowledge of the causes of multiple pressures on water resources will be made to give a comprehensive account of the facts.

**Quantitative research:**
Quantitative data will be collected through questionnaire administration. The technique will be employed in selected communities for different interest groups to solicit their opinions knowledge of multiple pressures. Sample selection of respondents will be based on systematic sampling method to reduce biases. Research assistants will be trained and taken through a pre-testing exercise to administer the questionnaire.

Quantitative data will be useful in establishing relationships between knowledge of multiple pressures on water resources and other variables like literacy levels. It will also facilitate comparisons of knowledge of the key issues among different segments of the society including gender, and help in drawing more pragmatic conclusions based on logically sound inferences.

**Analysis quantitative data**
Simple frequencies and cross-tabulations of dependent and independent variables will be analysed quantitatively using standard statistical programmes. The data will be represented visually in graphs, histograms, tables and charts. It will also be presented mathematically through the use of both descriptive and inferential statistics.

**Check List for FGD**
- Background information: Name of community, number of participants, sex of participants, age range.
- Major water sources / resources within the vicinity of the community
- Knowledge of human activities exerting pressure on water bodies and generatively affecting water resources (drivers of change)
- Knowledge of other events/phenomena besides human activities which in the opinion of the discussants might be responsible for the pressure on water resources.
- Knowledge of current state of water resources compared to the past 20 years in relation to: quality, turbidity, fish stock, growth of aquatic plants and state of streams (perennial, siltation/sedimentation, visible presence of pollutants)
• Threats these multiple pressures pose to the sustainability of these resources
• Any community initiatives to redress the threats posed by multiple pressures? (community initiatives if any will only confirm knowledge of the multiple pressures and the need to address them).

Name the water bodies present in your area and approximate distance from community
In the case of streams, where do they take their source?
Which land use activities are carried out near these water bodies? (Refer to question …… and indicate
How close are these activities to the water body?
In your view have these activities brought about any change in
- Quantity of water?
- Flow regime (i.e. perennial, annual or seasonal)?
- Water quality (turbidity, portability, taste)

Who carries out these activities?
How widespread are these activities?
Are there any other sources of multiple pressures to the water bodies in your area? If yes, Name the pressures?
Are these pressures localized? If no, where do they originate?
- From the air – air pollution
- From stream flow – industrial effluent
- Climate related – reduced rainfall, increased temperature, increased dryness

Which of the under listed factors are the causes of these pressures in our view?
- livelihood enhancement activities – farming, fuel wood extraction, small scale mining, grazing, logging, sand winning, construction, settlement establishment, bush fires, others.
- bad environmental practices – indiscriminate waste disposal, clearance of water catchment areas, stream diversion, bad fishing practices, etc.
- External factors - government policy, market demands, affluence of the rich, climate change, activities of herders upstream, others.

Are there any observed changes to water bodies as result of these pressures?
If yes, which of the following constitute some of the observable changes?
drying up of water bodies, pollution of water bodies, habitat destruction, flooding, reduction in fish stock, effects on primary productivity and food chain, others.

How are these changes affecting the community?
Are there any taboos / traditional practices associated with the use of these water bodies? Yes No
If yes, name the taboos
Are the taboos effective in protecting the water bodies?
Are there any community initiatives to counter the trend?
If yes, list the initiatives

Are you aware of any government policy to protect water resources Yes No
If yes is the community being guided by these policies in the use of the environment?

Samuel Senyo Koranteng
• Mr. Koranteng is on full time study leave to pursue his Doctoral Degree at the University of Ghana, Legon and has completed one year of research work. Within the year under review, he has undergone some capacity building in pesticide residue analysis at the Ghana Standards Board. He is currently collecting samples from the field and analyzing them in the laboratory.

D. Dzidzo Yirenya-Tawiah

Publications
Conference /Workshops/Seminars

- 2011- Inception workshop for the implementation project on National Biosafety Framework. Erata Hotel. 5th December, 2011
- 2011- Intergovernmental Panel on Climate Change (IPCC) Regional Expert Meeting Africa: WGII and WGIII. 9th -11th August, 2011

Research activities

- Manual clearing of aquatic weeds and schistosomiasis control.
- Gastrointestinal helminth parasites of fresh water fish: A case study of the Kpong head pond.

Extension

- Secretary- Steering Committee of the Schistosomiasis Control Initiative Ghana- planning towards the “1st National Forum for Schistosomiasis Control” on 15th March 2012.
- Co-author- Institute for Environment and Sanitation Studies Information Briefs

COURSE TAUGHT

- ABCS 201-Zoological Techniques

Benjamin Denkyira Ofori

Research Activities

- Team member of the Water Component of the B4C Project, Building Capacity to meet the Climate Change Challenge, a partnership between University of Ghana and the Open Society
- The overall goal of the project is “to develop the Univ. of Ghana as a centre of excellence in global environmental change, with capabilities to contribute to climate change adaptation in Ghana for sustainable development”.

Conferences

- “Roundtable Discussion on Climate Change Adaptation Financing”. Organised by the Africa Adaption Programme (AAP) under the Environmental Protection Agency, at Best Western Premier Accra Airport Hotel 21 Nov. 2011.
- “Workshop on Climate Change Adaptation Experiences in Ghana”. Organised by Building Capacity to meet the Climate Change Challenge (B4C) Project and Adaptation Learning Programme, at the Centre for African Wetlands, Univ. of Ghana. 15 Dec 2011.

Extension

• Co-produced three (3) Information Briefs:
  - “Environmental Impacts of Marketing and Trading Activities: Cause for Concern”
  - Threats to Ghana Forest Reserve: Perspectives on Atiwa Range Forest Reserve
  - Sanitation, Our Health and Development

• Member of the Steering Committee of the Schistosomiasis Control Initiative Ghana (representing IESS) planning towards the “1st National Forum for Schistosomiasis Control” on 15th March 2012.

**Elaine Tweneboah Lawson**

**Publications**


**Research/Projects**

• Achieving triple wins: identifying climate smart investment strategies for the coastal zone Climate and Development Knowledge Network (CDKN).

• Halting the menace; Improving the Management of Ghana’s Coasts. Hanns Seidel Foundation.

• National diagnostic on knowledge gaps and research capacity. Climate and Development Knowledge Network (CDKN) and University of Ghana.

• Building capacity to meet the climate change challenge (B4C) – Ghana: water and water resources work package. Open Society Institute (OSI)

• Understanding the Findings of the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report “Climate Change 2007” – Integrating Climate Change Adaptation and Mitigation in Development Planning. World Meteorological Organisation (WMO); Intergovernmental Panel on Climate Change (IPCC); United Nations Environment Program (UNEP); Global Change SysTem for Analysis Research and Training (START); Institute of Resource Assessment (IRA) of the University of Dar es Salaam; University of Ghana (UG); and the Bangladesh Center for Advanced Studies (BCAS).

**Conference/Seminar/Workshop Presentations**

• Stakeholder validation workshop on draft guidelines and policies relating to environment and social issues in the mining sector. Oak plaza Hotel, 13-14 September 2010. Resource person.


• 3rd Research into Strategic Action Platform (Re-SAP) URAdapt meeting. Coconut Grove Regency Hotel, Accra. 18 January 2011. Platform member.


• Workshop on the preparation of the second set of Policy Advisory Series (PAS) on climate change and disaster risk reduction. Erata Hotel, 10 May 2011: Presentation: “Climate Change in Ghana: Integrating Gender Issues”.

• 4th Research into Strategic Action Platform (Re-SAP) URAdapt meeting. Coconut Grove Regency Hotel, Accra. 31 May, 2011. Platform member.


• Establishing international BTU alumni groups: China, Cameroon, Poland, Ghana and Mexico. Cottbus, Germany. 14-20 June 2
ENVIRONMENTAL SCIENCE PROGRAMME STUDENTS RESEARCH PROJECTS

OVERVIEW
The research projects (M.Phil and PhD) of students enrolled in the ESP concentrated in areas of environment and sanitation, water, pollution, waste management, soil and air quality, environmental impact assessment, urbanization and land use, and noise pollution.

Below is a list of ongoing and completed research projects for the year under review:
• Potential Biogas Production from wastewater and faecal sludge in the Accra Metropolis
• Livelihood or Risk? Exploring blood lead and sediment contamination levels and livelihood strategies of E-waste recycling in Ghana
• Levels of Heavy Metals in Boreholes and Water Wells within the Kasena Nankana District of the Upper East Region of Ghana
• A comparative study of the Environmental Impacts of waste dump-site in selected rural and peri-urban communities in Greater Accra
• Challenges of private-public partnership in solid waste management: A case study Accra Metropolitan Assembly (AMA)
• Linkages between plant diversity, environmental factors and carbon stocks in a forest in Southern Ghana
• Urban land use Management within the Weija Reservoir sub-catchment
• Environmental and health hazards of hospital effluent and their mitigation: A case study at Eastern Regional Hospital, Koforidua
• Exposure assessment of automobile repairers to heavy metals pollution
• Assessment of drinking water quality in some peri-urban communities in the new Juaben Municipality in the Eastern of Ghana
• A study on the processing environment in relation to quality of meat sold in the Accra Metropolis
• Faecal sludge re-use in urban and peri-urban agriculture: A case study of Sekondi-Takoradi Metropolitan Area
• Sustainable use of non-timber forest product in Ghana: A case study of Jasikan District
• Influence of human activities on insect diversity and abundance in wetland environment: A case study of Muni-Pomadze Densu Delta Ramsar Sites
• An Assessment of sanitation conditions and waste management practices in some selected basic schools in the Koforidua Municipality
• The influence of urbanization on the size and species composition of some selected sacred groves in the Lower Manya Krobo Municipality
• Occupational exposure to Benzene, Toluene and Xyylene by fuel service stations pump attendants in the Ledzokuku Krowor Municipal Assembly in the Greater Accra Region of Ghana
• The quality of stored domestic water in an urban environment: A study of the Ga East District of the Greater Accra Region
• Assessment of water quality at Dodowa in the Dangbe West District of the Greater-Accra Region
• Analysis of Landfill site in Greater Accra Metropolitan Assembly
• Investigation into the phytoremediation potentials of some selected wetland species for the restoration of oil-polluted wetlands
• The potential impact of oil spill on Coastal Habitats: Case of Axim
• RWH: An alternative source of water for domestic use in rural Ghana under climate change: The case of Kpando
• Fish as bioindicators of habitat degradation in Lagoons
• Assessment of Heavy metals and Polycyclic Aromatic Hydrocarbons (PAHs) in air particulates
• The use of non-timber forest product as an alternative for effective forest resources management and utilization
• Treatment of biogas digestate: Low cost options
• Peri-Urban Agriculture as a means of urban and rural waste management in the Tamale Metropolis
• Noise pollution of religious institutions and it impact on the adjoining land users: A case study of twenty churches and mosques in the Accra metropolis.

VISITORS TO THE INSTITUTE
• Professor Henrik Breuning-Madsen, Department of Geography and Geology, University of Copenhagen – Denmark
• Mr. Vincent Sacriz, International Development Officer, Queensland University of Technology
FACULTY OF SOCIAL STUDIES

OVERVIEW
The Faculty of Social Studies is made up of 9 main teaching departments: Archaeology and Heritage Studies, Economics, Geography and Resource Development, History, Information Studies, Political Science, Psychology, Social Work and Sociology. In addition, it is responsible for teaching programmes, appointments and promotions of the following units: the Institute of Continuing and Distance Education (ICDE), Institute of African Studies (IAS), Institute of Statistical, Social and Economic Research (ISSER), Regional Institute for Population Studies (RIPS), School of Communications Studies (SCS), Centre for Gender Studies and Advocacy (CEGENSA), Centre for Migration Studies (CMS), Centre for Social Policy Studies (CSPS), Legon Centre for International Affairs and Diplomacy (LECIAD) and the Balme Library.

One of the highlights of this year’s activities was the hosting of the 5th Annual Faculty Colloquium on the theme, “Inter-Disciplinary Research in Academia”. The colloquium attracted a record number of lecturers and graduate students both from the Faculty and from other Faculties and Schools. The Faculty also witnessed a steady increase in the number of promotions both at the professorial and non-professorial levels. The Faculty has 204 teaching staff and 352 non-teaching staff. It has one of the highest student enrollment numbers in the University, currently estimated at around 18,610 students. There are currently 682 Masters’s and 96 Doctoral students enrolled in programmes in the Faculty.

This overview contains reports of the 9 teaching departments, Institutes, Schools, Centres and the Balme Library.

DEPARTMENT OF ARCHAEOLOGY AND HERITAGE STUDIES

OVERVIEW
During the 2010/2011 Academic Year, the Department of Archaeology and Heritage Studies continued to provide teaching, research, and extension services. The Department conducted Field School at five centres, namely, Dodowa in the Greater Accra Region, Dixcove in the Western Region, Wenchi in the Brong Ahafo Region, Yikpabongo in the Northern Region, and Kpando in the Volta Region for Level 400 and First Year Graduate students January, 2011. Except some Level 300 students, all the other undergraduate students of the Department also participated in one-day practical training programmes at various sites outside Accra. Seminar papers were presented by Faculty Members and graduate students, as well as international scholars. From March 27, following the death of Dr. Yaw Bredwa-Mensah, then Head of Department, some temporary difficulties were encountered until the appointment of Mr. Fritz Biveridge as Acting Head of the Department by the Vice-Chancellor in consultation with the Dean of the Faculty of Social Studies. Some Faculty Members conducted contract archaeologies for some mining firms in Ashanti Region.

COURSES OFFERED
Fifteen (15) and Fourteen (14) courses were offered in the First Semester and Second Semester respectively in the department for undergraduate students. The regular courses offered under the department’s restructured programmes were offered for Level 200 to 600 undergraduate students. Courses for the Four Year degree programme which began within the academic year were also offered for Level 100 students.

Also, Eight (8) and Five (5) courses were offered for graduate programme the Master of Philosophy in Archaeology programme in the First and Second Semesters, respectively.

STUDENT NUMBERS
The total numbers of students enrolled in undergraduate and graduate programmes of the Department were as follows:

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 100</td>
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</tr>
<tr>
<td>Level 200</td>
<td>305</td>
</tr>
<tr>
<td>Level 300</td>
<td>225</td>
</tr>
<tr>
<td>Level 400</td>
<td>112</td>
</tr>
<tr>
<td>MA</td>
<td>4</td>
</tr>
<tr>
<td>M.Phil I</td>
<td>3</td>
</tr>
<tr>
<td>M.Phil II</td>
<td>2</td>
</tr>
<tr>
<td>PhD</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>1,004</td>
</tr>
</tbody>
</table>
NUMBER OF STAFF
Academic staff: 14
Senior Staff: 3
Junior Staff: 4

PUBLICATIONS/PAPERS PRESENTED
Wellington, H.N.A

Boachie-Ansah, J.

Bredwa-Mensah, Y.

Gavua Kodzo

Kankpeyeng, Benjamin W.

Dr. Wazi Apoh
• Apoh, Wazi “An Archaeo-historical Examination of German Colonial Relics at Kpando-Ghana. Repackaging German Colonial Derelict Heritages for Heritage Tourism.” A paper presented at a conference on “German Colonialism In West Africa. Implications For German-West African Partnership in Development” on Thursday, 29th September to 1st October, 2011 at the University of Education, Winneba Conference Hotel: Windy Lodge, Winneba. This was organized in partnership with Prof. Dr. Bea Lundt of the Institute for History and Didactics University of Flensburgh Germany and Dr. Ntewusu Samuel Aniego of the Institute of African Studies, University of Ghana, Legon.
• Apoh, Wazi. “The Archaeology of German Colonial Relics at Kpando-Ghana: Repackaging Derelict Heritages for Sustainable Development.” A Paper presented at the 4th Annual Colloquium of the University of Ghana, Faculty of Social Studies, held in the University of Ghana on the 9th and 10th December, 2010
• Apoh, Wazi. “Encounters with Development And Power: Salvage Archaeology at The Bui Hydro Electric Dam Project Site” A Paper presented with Dr. Kodzo Gavua at the Joint 13th Pan-African Archaeological Congress and the 20th Society of Africanist Archaeologists Conference held in Dakar, Senegal from November 1-7, 2010

Mr. Samuel N. Nkumbaan
• Samuel Nkumbaan: Archaeological Investigations at Tando-Fagusa, Northern Ghana. School of Arts, Archaeology, Histories and Cultures, The University of Manchester, United Kingdom. May 16, 2011.

Gblerkpor, William N.

Biveridge, F.

Watson, J. Derek

RESEARCH PROJECTS/ACTIVITIES

During the academic year under consideration the following Faculty Members undertook the following research activities:

Wellington, H.N.A.
• Danish-Osu Community History and Heritage Study

Boachie-Ansah, J.
• Excavated an Earthworks site at Asaman near Brakwa, Central Region, 28th to August to 9th September, 2010.

Bredwa-Mensah, Y.
• Slavery and Plantation Lifeways Project: Historical-archaeological research on Danish Plantations in the Akuapem Mountains. Excavations conducted at Dodowa in January 2011.
Gavua, K.
• Archaeological survey of indigenous iron working at Adome, Eastern Region of Ghana
• Bui Dam Salvage Archaeology Project

Kankpeyeng, B.W.
• Excavation of a Second Stone Circle Mound at Yikpabongo, West Mamprusi District, Northern Region, January 2011. In partnership with Samuel Nkumbaan of the University of Ghana, Pro. Timothy Insoll of the University of Manchester, and Natalie Swanepoel of the University of South Africa.
• Tengzug Archaeology and Heritage Research. Manuscript/Articles Preparation.
• Kpaliworgu Archaeology. Article Preparation.

Watson, Derek
• Flotation of Soil samples and Analysis of artifacts from Bosumpra Cave.

Apoh, Wazi
• Kpando Archaeological Project
• Bui Dam Salvage Archaeology Project, Brong-Ahafo Region
• Ongoing archaeological survey and excavation at the Adome-Atimpoku ancient iron working site, Eastern Region.

Samuel Nkumbaan.
• Archaeological Excavation of Tando-Fagusa, Koma Land, Northern Region, Ghana
• Excavation of a Second Stone Circle Mound at Yikpabongo, West Mamprusi District, Northern Region, January 2011. In partnership with Dr. Benjamin Kankpeyeng of the University of Ghana, Pro. Timothy Insoll of the University of Manchester, and Dr. Natalie Swanepoel of the University of South Africa.

Gblerkpor, William N.
• Krobo Mountain Archaeological Research Project (K-MAP), a collaborative research project between the Department of Archaeology and Heritage Studies (University of Ghana) and the Krobo Traditional Councils. During the long vacation (Summer Break), I conducted ethnographic study in the Krobo area to collect additional data towards the project and my Ph.D dissertation.

Eyifa, G. A. M.
• Salvage Archaeological Survey at Berekuso in the Eastern Region of Ghana.

Biveridge, Fritz
• Archaeological Research on Euro-Ahanta interactions at Dixcove and its neighbourhoods.

CONFERENCES/SEMINARS/WORKSHOPS
Wellington, H.N. A.

Boachie-Ansah, J.
• Council Meeting and Scientific Conference of the African Archaeology Network, Enugu, Nigeria, 4th -10th October 2010.

Gavua, Kodzo
  Member of International Planning Committee
  Also, Chair and Discussant - Panel Five: ‘Archaeology and the Politics of Heritage’

Kankpeyeng, Benjamin W.
• 13th PanafriCan Association of Prehistory and Assimilated Disciplines (PAA) and 20th Society of Africanist Archaeologists (SAFA) conference on: Preserving African Cultural Heritage: University Cheikh Anta Diop, Dakar, Senegal. 1st – 7th November, 2010
Samuel N. Nkumbaan


Gblerkpor, William N.

- Participant and Presenter, Our Future’s Past: Sustainable Cultural Heritage in the 21st Century; Organized by the American University in Rome and the British School at Rome; held at Rome Italy, 24-26 November 2011
- Participant and Presenter, the 13th PANAF/ 20th SAFA Meeting held in Dakar, Senegal: 1-7th November 2010.

Eyifa, G.A.M.


VISITORS TO THE DEPARTMENT OF ARCHAEOLOGY AND HERITAGE STUDIES

- July 2011: Professor Timothy Insoll, of the University of Manchester, UK: External Examiner,
- November 2010: Merrick Posnansky of the University of California Los Angelos, U.S.A.
- Danish International Development Agency (DANIDA) Officials
- Tullow Oil Officials
- Prof. Klavs Randsborg and Dr. Inga Merkyte of the University of Copenhagen

BENEFACTORS

- Dr. Wazi Apoh was one of the five University of Ghana recipients of the 2011/12 African Humanities Postdoctoral (AHP) Fellowship awarded by American Council of Learned Society (ACLS).
- Gblerkpor continued to benefit from Ford Foundation funding for his Doctor of Philosophy Programme
- The GDARCH Project, a partnership between the Department of Archaeology and Heritage Studies and the University of Copenhagen, closing memorandum was signed in December 2010.
- School of Research and Graduate Studies supported Samuel Nkumbaan doctoral research, as well as conference travels for Dr. Kodzo Gavua and Dr. Wazi Apoh to Senegal for the Joint PAA and SAFA conference in Dakar.

DEPARTMENT OF ECONOMICS

OVERVIEW

ACADEMIC PROGRAMMES

The Department of Economics is one of the Teaching and Research Departments under the Faculty of Social Studies. Like many other Departments in the University, it continues to produce the needed manpower to serve public, private, and international institutions. The Department offers courses at both the undergraduate and graduate levels. The undergraduate courses span four years during which students are introduced to theoretical and quantitative courses in economics befitting a world class university. There are three (3) graduate programmes; a Master of Philosophy (M. Phil) in Economics, which is largely academic in nature and as a base for PhD work; a market-oriented Master of Arts in Economic Policy Management (E.P.M.), which has been fashioned to meet the needs of policy- makers and other professionals who have to use economic tools in their analyses for informed and evidence-based policy decisions; and a PhD programme which, for want of resources, is limited to teaching faculty of the Department. Additionally, the Department provides teaching services to other academic departments of the University such as the College of Agriculture and Consumer Sciences; University of Ghana City Campus; Legon Centre for International Affairs; Institute of Statistical, Social and Economic Research (ISSER); the Regional Institute of Population Studies; Migration Studies and the Institute of Adult Education and University of Ghana business School.

The Department continued to admit a high number of students in spite of the increasing administrative challenges. Considering the year under review, the Department had one thousand eight hundred and seventy nine (1879) students (see breakdown below).
STUDENT NUMBERS

LEVEL Number of Students
Level 100 555
Level 200 401
Level 300 467
Level 400 363
M.Phil Economics (I & II) 40
MA. Economic Policy Management 69
Total 1879

AERC Category C University Status
The African Economic Research Consortium (AERC) has given the Department a Category C University Status by which the Department is an accredited centre for capacity building of economists in Anglophone West Africa through a unified research and training network. Although still a member of the Joint Facility For Electives (JFE), MPhil students of the Department will no longer go to Nairobi to take additional elective courses: these will be taught in the Department. Postgraduate students from Anglophone West Africa would now be sponsored by AERC to study for their MPhil at University of Ghana, albeit within the overall “Collaborative Masters Programme in Economics for Anglophone Africa” (CMAP). More fundamentally for research work, the Category C status entails strengthening of the Department’s doctoral programmes to train economists to PhD level, within the AERC’s “Collaborative PhD Programme” (CPP). This will be fused into the framework with ISSER to mount a PhD Programme in Development Economics with United Nations University.

M.Phil Students Came Tops At The Joint Facilities For Electives In The Collaborative Masters Programme For Anglophone Africa.
M.Phil students of the Department have continued to excel at the Joint Facility for Electives in the “Collaborative Masters Programme in Economics for Anglophone Africa” (CMAP) where MPhil economics students from Anglophone Africa converge in Nairobi for a 3-month intensive two semester programme in elective courses in economics. Out of the 25 CMAP universities, the M.Phil economics students from University of Ghana came first, a position the Department virtually monopolized among all the 25 participating Anglophone universities since 1995.

COURSES OFFERED
Undergraduate, MPhil and PhD courses

STAFFING POSITION
The Department has 27 lecturers across the following ranks. Of the 27, seven are on study leave. There are also 3 junior Staff and 3 Senior Staff

<table>
<thead>
<tr>
<th>Staff Strength</th>
<th>No.</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Professor (on contract)</td>
<td>1</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Senior Lecturers (5 on Contract)</td>
<td>10</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>Lecturers</td>
<td>17</td>
<td>14</td>
<td>3</td>
</tr>
<tr>
<td>Assistant Lecturers</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Senior Staff</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Junior Staff</td>
<td>3</td>
<td>3</td>
<td>-</td>
</tr>
</tbody>
</table>

RESEARCH/PROJECTS/PUBLICATIONS
Below are some of the publications and ongoing research activities by lecturers of the Department:

Mr. Theodore O. Antwi-Asare
Publication

Consultancy

**On-going Research Projects in 2011**


**Dr. Edward Nketiah-Amponsah**

Research Activities 2010/2011

**Journal Article(s)**


**Conference/Workshop Presentations**


**Dr. Bernardin Senadza**

Research Activities 2010/2011

**Publications**

- Senadza, Bernardin (Forthcoming) “Education Inequality in Ghana: Gender and Spatial Dimensions”, Journal of Economic Studies

**Dr. Daniel Twerefou**

Research Activities 2010/2011

**Publications**


**Other activities**


• Attended a Conference on “Sustainability and Maintenance” organised by the Budapest Business School from 7-10 November, 2011 in Budapest Business school, Budapest, Hungary

• Participated in a Curriculum Development Workshop for a MSc/Ph.D programme on “The Economics of Climate Change” jointly organized by the UNU-WIDER and the AERC from 1-2 December, 2011 at the Safari Park Hotel in Nairobi, Kenya.


• Discussant at the Sustainable Conservation Workshop on the theme “Fast tracking Sustainable Development in Nigeria” organized by Thistles Praxis Consulting on Saturday, November 19, 2011 at Raddison Blu Hotel, Victoria Island, Lagos, Nigeria

Dr. William Baah-Boateng

Research Activities

• Baah-Boateng W, Oduro A. D and Boakye-Yiadom L (2011) “Measuring the Gender Asset Gap” Woeli publication,


Mr. Abel Fumey
Research/Publications Activities

Publications

Conference Presentation
• Work in Progress: Exchange Rate and Economic Growth: Identifying the channel of Impact in Ghana.
• A paper for journal publication and to be presented at the 9th African Development Finance Journal Conference scheduled to take place on 19 – 20 April, 2012 at Nairobi, Kenya.

Abena D. Oduro
Research
• “In Her Name. Measuring the Gender Asset Gap. A Study to Collect Sex-Disaggregated Asset Data in Ecuador, India and Ghana”. The last phase of this three-year project was implemented. This involved the analysis of data from 2,170 households. Preliminary findings from Ecuador, India and Ghana were presented at a seminar held in January 2012.

Conferences
• Presented a paper on “Asset Accumulation and Vulnerability to Poverty: Insights using the Life History Approach” at the Annual Conference marking the 10th anniversary of the Centre for Chronic Poverty held at Manchester University in September 2010.

Infrastructure: Video-Conferencing Facility
The Department’s Video Conferencing Facility has been completed and is fully functional, bringing to four such facilities in the University. The Video Conferencing Facility has a dual purpose: first to serve as video conferencing room and second as a distance learning room where students can have access to external lectures using the teleconferencing facilities. The Facility has a user-friendly and relaxing conferencing and teaching / learning environment; all fittings and surfaces are finished in non-glare colour coordinated materials. Cabling and lighting are discreet and the room is fitted with studio quality room acoustics to prevent sound interference from outside).

With this, the Department has the basic electronic infrastructure to ensure that the computerization process is enhanced to facilitate e-learning, distance education and e-teaching. The Video-conferencing facility was funded by the Africa Capacity Building Foundation (ACBF), the principal co-sponsors of the Economic Policy Management programme (EPMP).

Sod-Cutting Ceremony for the Construction of a Multi-Purpose Complex for the Department of Economics
The Department held its 5th AERC Liaison meeting to mark the sod-cutting ceremony for the construction of a multi-purpose complex for the Department on Thursday, 7th July 2011. The Bank of Ghana funded modern building complex, which is expected to be completed in twelve months, will consist of an 800 seating capacity auditorium, seminar rooms, computer laboratory, library and lecturers offices, among others.

The Governor of the Bank of Ghana, Mr. Kwesi Amisah-Arthur, who is an alumnus of the Department, paid glowing tribute to past and present lecturers for their commitment in training economists who he said had been of immense benefit to the Bank of Ghana and other institutions. He said the decision to support the construction was part of the Bank of Ghana’s corporate social responsibility.

The Vice-Chancellor, Prof. Ernest Aryeetey, also an alumnus of the Department, said the University was committed to bringing about visible transformation in the Department and would ensure that the project moves on as scheduled.
OVERVIEW
The Department continues to provide leadership and academic excellence in Geography and Resource Development. It also enjoys increasingly high patronage from both undergraduate and graduate students. Active projects based in the Department as well as Laboratory facilities continue to assist in building capacity of students and staff in teaching and research. The Department unfortunately lack facilities to run practical work and conduct fieldwork. The most pressing of all is the needs to acquire a 33-seater bus to support fieldwork of both students and staff. Besides, office space for new staff, space for laboratory work and more computers for mapping science and Geographic Information Systems as well as for graduate studies and research are needed.

STAFF POSITION
During 2010/2011 academic year there were twenty-four (24) Senior Members, two (2) Senior Staff and six (6) Junior Staff at post under the headship of Dr. E.M. Attua. There were two part-time lecturers (all Professors) augmenting teaching and supervision of students’ work. The breakdown of the teaching staff is as follows:

- 7 Professors
- 2 Associate Professors
- 3 Senior Lecturers
- 2 Research Fellows
- 7 Lecturers
- 3 Assistant Lecturers

COURSES, RESEARCH, EXTENSION AND CONFERENCES/WORKSHOPS
The Department successfully offered several courses at BA, M.Phil and Ph.D levels. Senior Members in the Department also continue to engage in research and extension activities, as detailed below.

RESEARCH

Dr. E. M. Attua

Focused on:
- Environmental and natural resources management with special reference to land use/cover change, biodiversity and climate change
- Land degradation, Ecosystem Services and Livelihood Adaptations
- Ecology and Water Supply in Mountain Regions

Agyei-Mensah, S.
- Ethnic Residential Segregation in Accra (with George Owusu, ISSER, University of Ghana)
- Inequalities in Human Development in Bamako and Accra. Funded by the Swiss Network for International Studies.
- Challenges of Land and Space in the Oil Industry in Sekondi-Takoradi (with Ragnhild Overa, University of Bergen, Norway). Funded by the Norwegian Research Council.
- Fertility Decline and Fertility Preferences in Sub-Saharan Africa (with John Casterline, Ohio)

Nabila, J.S.
- Role of Chieftaincy in Good Governance
- Migration and Development
- Urban and Environmental Health in Ghana
- The Problem of Female Porters – Kayaye – and the Spread of HIV/AIDS in Northern Ghana

Gyasi, E.A.
- Environmental and natural resources management with special reference to management of the land, agrodiversity and climate change
- Education for sustainable development with special reference to rural Africa
- Urbanization-climate change-agricultural dynamics nexus.
Yankson, P.W.K.
- Youth and Employment: The Role of Entrepreneurship in African Economies (involving ISSER, Universities of Zambia, Makerere Univ. Uganda, University of Copenhagen and Copenhagen Business School)
- Urbanisation and Poverty in Mining Africa (UPIMA): A Collaborative Research Project on the Impact of Mining on African Urbanisation involving Institutions in Ghana, Tanzania, Angola, University of Glasgow, Loughborough, University in the UK, Lisbon and is Funded by DfID/ESRC, UK

Songsore, J.
- Jacob Songsore et al, Environmental Health and Disaster Risks, Livelihoods and Ecology within the Korle-Lagoon Complex in Accra, Ghana (final Draft Report).
- Urban Ecohealth

Asiedu, A.B.
- Tourism and National Development
- Development of Gated Housing Estates.
- International Migration and Globalisation

Kufogbe, S.K.
- GIS Nima Land use Mapping Project, Collaborative projects of the Millennium Cities Initiative (MCI), Earth Institute, Columbia University CHF; School of Research and Graduate Studies (SGRS), University of Ghana
- The State of the Cities in Africa Project; African Centre for Cities at the University of Cape Town (2010+) on-going
- Collaborative projects on Water, Urban, and Land Use and, Fire in West Africa: Ghana, Burkina Faso, Senegal, and Mali. WANSEC-DANIDA
- Ghana Geographical Information Systems Remote Sensing and GIS Consultant: UNIDO GCLME Project

Oteng-Ababio, M
- E-waste management in Ghana
- Formal and Informal Economy
- Urban Environmental Management
- Urban risk analysis and reduction

Awumbila, Mariama
- Migrating out of poverty
- Mobility patterns of Transnational traders
- Irregular migration in Ghana
- Socio-cultural dimensions of migration
- Gender, climate change and food security

Dr. Alex Barimah Owusu
- Remote Sensing and GIS applications
- Desertification and Food Security
- Environment and land degradation
- Land cover and land use Change
- Population, Environment and Development nexus
- Crime and emergence response systems

Awere Gyekye, K.
- Geomorphic Assessment of Slope Processes and Land use, Oyarifa-Peduase Lodge (in progress)

Owusu, G
Developing spatial statistical tools
- Developing Principal Component Analysis interface for identification of principal components of geographical data
- Developing Factor Analysis interface for computation of new (geographical) variables that can represent several variables
• Developing Simultaneous R-and Q-mode Factor Analysis interface to measure similarity between and among continuous geographical variables and observations
• Developing Correspondence Analysis interface to measure relationship between and among categorical geographical variables and records

**Soil Quality**
• Spatial distribution of soil pollutants
• Spatial distribution of soil nutrients
• Soil remediation

**Water Quality**
• Assessment of Groundwater Quality
• Assessment of Surface Water Quality
• Assessment of Soil water and irrigation-able soil

**Teye, J.**
• Climate Change, Migration and Conflicts in Ghana
• Forest Governance in Ghana
• Fertility control and modern contraceptive use

**Kusimi, J.M.**
• Spatio-temporal Variations in Sediment Yield and Channel Erosion in the Pra Basin
• Dynamics in the Morphology of the Densu Delta
• Sea Erosion at Ada Foah – Analysis of Shoreline Changes and Socio-economic Impacts

**Wrigley-Asante, C.**
• Gender and pro-poor policies
• Gender, livelihoods and health

**Yiran, G.B.**
• Current Research work: an assessment of climate change and peri-urban/urban agriculture in sub-Saharan Africa: The case of Tamale in collaboration with the Intergovernmental Panel on Climate Change (IPCC), the World Meteorological Organization (WMO), UN Environment Programme (UNEP), the System for Analysis, Research, and Training (START), and the Institute for Environment and Sanitation Studies, University of Ghana.
• PhD Research: Spatial vulnerability mapping for climate change adaptation in Northern Ghana

**EXTENSION AND OTHER ACTIVITIES**

**Dr. E.M. Attua**
• External Examiner for MPhil Theses (University of Cape Coast)
• Teacher Evaluator (Geography), Ghana International School, Cantonments, Accra
• Chair, Forestry Sector Committee, Man and the Biosphere Steering Committee, Environmental Protection Agency, Accra.
• Chair, Improving producer capacity-increasing access to agricultural research and best practices, discussion group, Africa Fairtrade Convention, 22-26 November 2011, National Theatre, Accra.
• External Reviewer for Academic Journals (Journal of Local Government Studies)
• Consultant, Mapping of Land Use/Cover Change of the Bia Forest Region, Environmental Protection Agency, Accra.
• Board Member, End-Time Revival Centre, Assemblies of God Ghana, Adenta, Accra.
• Chief Invigilator, University of Ghana Examinations

**Agyei-Mensah**

**Extension and Other Activities**
• Member Steering Committee, Partnership for African Social and Governance Research. (PASGR) Collaborative Masters Programme in Research for Public Policy (CMA)
• Member, Steering Committee, International Conference on Population and Poverty, Accra, Ghana 18-21 January 2012. Population Reference Bureau, University of Ghana
• Member, Steering Group on Population Geography, International Geographical Union
• Member, National Population Council (NPC), Ghana
Nabila, J.S.
- Director, Population Impact Project (PIP)
- Member, National and Northern Regional Houses of Chiefs
- Member, Council of State
- President, National House of Chiefs

Gyasi, E.A.
- Co-ordinator/Convener, Programme on Integrated Environmental, Economic and Social Development in Rural Africa (ProIRD), a component of the UNU project, Education for Sustainable Development in Africa
- Editor, Journal of Mountain Science
- Editorial Advisor, Sustainability Science
- Board Member, Akuapem Community Foundation (Akuapem CF)
- Chairman, Board of Ghana Meteorological Agency (GMet).

Yankson, P.W.K., J
- External Examiner, University of Education, Winneba
- External Examiner for Mphil and MA, Theses (University of Cape Coast & KNUST respectively)

Songsore, J.
- Commissioner, National Development Planning Commission
- Chairman, Council of Wa Polytechnic
- Member, Functional Technical Working Group on National Urban Policy Formulation Process

Asiedu, A.B.
- Undertook accreditation exercises on behalf of the National Accreditation Board to University for Development Studies.

Kufogbe, S.K
- Member, University of Ghana Committee on Assessing Policies for Usage of Computer Facilities among staff and students
- Member, Accra Working Group AWGUPA, Resource Centres on Urban Agriculture and Food Security and International Water and Management Institute (AWGUPA/RUAF/IWMI)
- Coordinator, Treasure Hunt Activities, GIS, DAY Celebration 9-16, October, 2011, Department of Geography and Resource Development, University of Ghana, Legon

Bening, R.
- Chairman, Committee on Boundary Disputes Relating to the 2010 Population and Housing Census of Ghana

Awumbila, Mariama
- Member, Steering Committee of the Gender and Geography Commission of the International Geographical Union (IGU)
- Member, Board of Ghana Statistical Service
- Member, National Advisory Council of World Vision, Ghana

Oteng-Ababio, M
24th Nov, 2011.
- Impact Assessment Review of Disaster Risks in “Scoping and Impact Assessment Review Study for an Integrated Approach to Broadening Climate Change Adaptation into Sectoral Development”. Commissioned by the Environmental Protection Agency under the Africa Adaptation Programme
17-18 May, 2011

11-12 May, 2011
• Workshop on Ghana Housing Sector Profile: Improving Access to Housing in Ghana. La Palm Royal Beach Hotel, Accra. 5-6 April, 2011

Alex Barimah Owusu
• Geography Quiz for Senior High Schools –November 2011
• Geographic Information Systems Day 2011 “A Tool for National Development” November 2011; Department of Geography and Resource and Development, University of Ghana, Legon
• GIS Day Treasure Hunt- November 2011
• Annual Progress Report Review: Ghana Shared Growth and Development Agenda; February 19th 2011, National Development Planning Commission (NDPC), Accra
• Annual Progress Report Review, Ghana Shared Growth and Development Agenda; March 9th 2011, National Development Planning Commission (NDPC), Accra

Awere Gyekeye K.
• Field Coordinator, Nsuta-Owowase Self Help Group (NODeP) on Sustainable Rural Development, UN Women’s Programme.
• Lecturer, Geomorphology and hydrology (Geog 251), Distance Learning (Accra Group) Kwame Nkrumah University of Science and Technology
• Member of the Scientific Journal Association (SJA).

Wrigley-Asante, C.
• Thematic working group member, Integrated Environmental, Economic and Social Development in Rural Africa (ProIRD) under United Nations University project on Education for Sustainable Development in Africa.
• Member, Curriculum development-Centre for Gender studies and Advocacy (CEGENSA).
• Member, Policy sub-committee - Centre for Gender Studies and Advocacy (CEGENSA).

Ernest Agyemang
• Provided Faculty/Expert Advice on ‘The Accra Pilot BRT: Transport-Land Use Research Study’ ( October, 2010) Under the auspices of the Millennium Cities Initiative (MCI) and Accra Metropolitan Assembly; The Earth Institute at Columbia University/University of Ghana

Teye, J.
• Course Coordinator, Centre for Migration Studies
• Member of Science Faculty Board
• Member of Editorial Board, Sacha Journals, England.
• Course Advisor – Level 200

Kusimi, J. M.
• Reviewer for Journal of Ecology and the Natural Environment - Articles in Geomorphology and Soil Science.
• Reviewer for African Journal of Environmental Science and Technology - Articles on Soil and Water Pollution/ Contamination

PUBLICATIONS
Attua, E. M.
• Rehabilitation of forest-savannas in Ghana: The impacts of land use, shade, and invasive species on tree recruitment (2011), Applied Geography 31(1), 181-190.

Forthcoming:
• Changing structure and composition of forest-savanna vegetation in the Northern Forest-Savanna Transition Ecotone of Ghana with special reference to indicator tree species;

In preparation:
• Opportunities and barriers for sustainable land management in Ghana: Lessons from the SLaM experience.
• Disappearance of tree species in the Southern forest-savanna zone of Ghana: Explanatory Lessons

Agyei-Mensah, S.

Nabila, J.S.
• Poverty and Socio-economic consequences of Burili Ulcer (Mycobacterium ulcers) in the Ga West District of Ghana by Nabila, Kofie, Atua. Published in the Norwegian Journal of Geography, 2008
• Integrated Disaster Risk and Environmental Health Monitoring: Greater Accra Metropolitan Area, Ghana in Disaster Risk Reduction cases from Urban Africa by Jacob Songsore, J.S. Nabila, Yvon Yangyuoru, Sebastian Avle, E.K. Bosque-Hamilton, Pauline E. Amponsah and Alhassan Osman; (ed) Mark Pellling and Wisner, 2009

Gyasi, E.A.
Forthcoming:
• Facilitating sustainable land management towards rural livelihoods improvement

In preparation:
• Managing threats and opportunities of urbanization for urban and peri-urban agriculture in Tamale metropolis, Ghana
• Book on sustainable land management

Yankson, P.W.K.

Songsore, J.
Asiedu, A.B.


Bening, R. B.


Awumbila, Mariama


Oteng-Ababio, M

- Owusu, George, Oteng-Ababio, Martin and Afutu-Kotey L. Robert: Conflicts and governance of landfills in a developing country city, Accra. Landscape and Urban Planning DOI:10.1016/j.landurbplan. 2011.10.005
- Oteng-Ababio, Martin: Door of Hope or Despair: Students’ Perception of Distance Education at University of Ghana. Turkish Online Journal of Distance Education, 12 (3) 241-258. ISSN 1302-6488.

Alex Barimah Owusu

- Analysis of Desertification in the Upper East Region (UER), Ghana using remote sensing, field study and local knowledge – Under Review , The Cartography
- Multispatial and temporal NDVI for detecting and quantifying desertification in the Upper East Region, Ghana
- Towards sustainable community initiative: A case study of Buabeng-Fiema Monkey Sanctuary

Awere Gyekye K.


George Owusu


S. K. Kufogbe

• Kufogbe, S.K. and Yiran, G.B (2011) Teaching Module, Geography 204 (New): Principles and Methods of Cartography, Centre for Distance Education, Institute of Adult Education (DE/IAE), University of Ghana, Legon

Teye, J.K.
• Teye, J.K. (forthcoming) Analysing Forest Governance in Africa: Proposition for a Policy Network Model. Accepted for publication in the West Africa Journal of Applied Ecology.

Kusimi, J.M.

Yiran, G.A.B.
• Kusimi J.M, and Yiran G.A.B. (accepted for publication) Local knowledge on detection and analysis of land degradation in the Bakwu East Municipality. Ghana Journal of Geography


Ernest Agyemang
• Agyemang, E. ‘Utility of an Integrated GIS-based Technologies in Urban Traffic Congestion Modelling’ intended for publication in the Ghana Geographical journal
CONFERENCES AND WORKSHOPS ATTENDED

Attua, E. M.
- Africa Fairtrade Convention, 22-26 November 2011, National Theatre, Accra.
- Workshop on Renewable Energy Development, University of Flensburg, Germany, 3-10 July 2011.

Agyei-Mensah, S.

Nabila, J.S.
- Conference of the National House of Chiefs (NHC) in collaboration with the German Centre for International Peace Operation (ZIF) on Sources and Resolution of Chieftaincy and Land Conflicts in Ghana, 2010.
- Sensitization Seminar for Traditional Authorities and Queenmothers on National Climate Change Policy Framework, 2011, Kumasi.

Gyasi, E.A.
- Regional Knowledge Assessment Planning Meeting in respect of the project, Integrating Climate Change Mitigation and Adaptation in Development Planning (CCMAP), Nairobi, 20-21 January 2011.

Yankson, P.W.K.
- Paper presented With Kate V. Gough “ Exploring the Connection: Mining, Urbanisation and Poverty in Ghana”

Songsose, J.
- Attended Peri-Peri U Consultative Meeting in Dar es Salaam, Tanzania. Presented a Paper on the “Achievements of the First Phase and Proposal for the Second Phase” with the assistance of Dr Osman Alhassan and Dr Paulina Amponsah.
- Inaugural Lecture at the Ghana Academy of Arts and Sciences, October, 28th, 2010 titled: “From Everyday Risks to Disaster Risks: Confronting ‘Brown’ and ‘Green’ Issues in Ghana’s Human Settlements”.

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Asiedu, A.B.

- Participated in MDF West Africa Ltd Training Workshop on Active Learning Methods organized by the Centre of Migration Studies, University of Ghana held in Accra from 14-15 December, 2011.
- Godwin, Arku; Isaac Luginaah; Paul Mkandawire; Philip Baiden, Alex B. Asiedu (2011):“Housing and Health in Three Contrasting Neighbourhoods in Accra, Ghana”, Social Science & Medicine, Vol. 72 (11), pp 1864-1872 (Elsevier).

Kufogbe, S.K.


Bening, R. B.


Awumbila, Mariama

- Global Forum on Migration and Development, Puerto Vallarta, Mexico, November 2010
- “Integration of the African Diaspora in Development Cooperation” Paper Presented at the 2ND Bonn Conference on International Development Policy, August 28 to 29, 2009
- Migration and Global Environmental Change Workshop, Johannesburg, South Africa March 10-11, 2011
- Migrating out of Poverty Workshop. 2-4 March Singapore

Oteng-Ababio, M
17-18 Nov, 2011
- Unscripted (In) Justice: Exposure to Ecological Hazards in Metropolitan Accra.
- Papers presented at the 3rd Faculty of Social Studies Colloquium on “Academic Policy Divide”. University of Ghana Homecoming Celebration. Great Hall, Legon

1-4 Nov, 2011 ICUH 2011
- Is Ghana burning its health away? Reflections of e-waste recycling as a livelihood strategy in a globalised Accra
- Unequal Exposure to Ecological Hazards in Metropolitan Accra.” Papers presented at the 10th International Conference on Urban Health. Belo Horizonte, Brazil

15-18 June, 2011

Alex Barimah Owusu
Awere-Gyekye, K.

Teye, J.
- Workshop on Interactive Teaching Methods, facilitated by MDF Training Consultancy, the Netherlands. Venue: Accra, Ghana.

Wrigley-Asante, C.

George Owusu
- A Certificate Residential Training Workshop / Short Course on Communicating and Disseminating Research Results. At College of Engineering Guest House KNUST Kumasi; 26-29 July 2011. Organised by Faculty of Science, University of Ghana with support of Tropical Biology Association (TBA) Cambridge.

Ernest Agyemang

DEPARTMENT OF HISTORY

STAFF
The teaching staff establishment of the Department of History is 25. The Department however has only 5 full-time lecturers, 2 part-time lecturers and one visiting scholar who joined the Department in January 2011. Dr. (Mrs.) Perbi spent the year on sabbatical leave and Mr. Adum-Kyeremeh who is also a PhD student in History spent the year as a visiting student at the University of Rochester, Rochester, USA, on the University of Ghana and University of Rochester Student Exchange Programme.

The overall staffing position of the Department is as follows:

- Academic Staff 8
- Non-Academic Staff 2
- Junior Staff 3
Student Numbers
University Main Campus

<table>
<thead>
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<th>Level</th>
<th>Number</th>
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<tbody>
<tr>
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<td>Level 300</td>
<td>210</td>
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<tr>
<td>Level 400</td>
<td>125</td>
</tr>
<tr>
<td>M.Phil.</td>
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<tr>
<td>Ph.D.</td>
<td>6</td>
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Accra City Campus

<table>
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<th>Number</th>
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<td>Level 100</td>
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<td>Level 200</td>
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<tr>
<td>Level 300</td>
<td>110</td>
</tr>
<tr>
<td>Level 400</td>
<td>30</td>
</tr>
</tbody>
</table>

COURSES OFFERED
Undergraduate and Postgraduate courses

DEPARTMENTAL RESEARCH
The Department is collaborating with the Department of Archaeology and Heritage Studies, the Ghana Museums and Monuments Board, the University of Pavia, Italy, the University of Groningen, The Netherlands, and Ricerca e Cooperazione to undertake the “The Ankobra Gold Route Common Ghanaian-Dutch Historic and Cultural Heritage in Western Ghana”. The project is funded by the Development Cooperation Agency of the Kingdom of the Netherlands and it aims at researching, promoting and strengthening the cultural identity of Ghana and the Netherlands. Specifically, the project seeks to promote a critical reflection on the common past of Ghana and the Netherlands and to enhance a mutual understanding of the past, the present and the future of the two countries.

Research interests of and activities by Senior Members

Professor R. Addo-Fening
- Social and Economic Development in Akyem Abuakwa

Publication:

Dr. (Mrs.) A.A. Perbi
- Indigenous slavery in Ghana
- Women in slavery in Ghana;
- Women in History;
- Slave camps and slave sites in Ghana

Publications:

CONFERENCES AND PUBLIC LECTURES
- “African and American Relations”, public lecture delivered to Faculty and Students from Carthage College, U.S.A. who were on a ‘J Term West Africa Programme at IIAS, Oyarifa, Accra on 7 January 2011.
- “Indigenous Slavery” public lecture delivered to Faculty and Students on the 8th Annual American University of Rome Governance and Democracy Programme held at the Kokrobitey Institute, Accra, on 11 January 2011.
• Public lecture on “Africanisms - Reconnecting the African Experience” held at the Grace Baptist Church International, St. Laurent, Quebec, Canada, in connection with “Black History Month” on 5th March 2011.
• Public lecture on “Indigenous Slavery in Ghana” to participants of the School for International Training African Diaspora Seminars, U.S.A., at the Zoology Department, University of Ghana, Legon, on 10th March 2011.
• Public lecture on “Slavery and the Slave Trade in Africa and Ghana” to some Faculty from Trinity College, Texas, U.S.A. at the Department of History, University of Ghana, Legon, on 14th March 2011.
• Lecture on “A Historical Sketch of Ghana” to Faculty and Students from New York University College of Arts and Science Global Scholars Programme at the New York University Accra Academic Centre, La Bone, on 15th March 2011.
• Public Lecture to Female Teachers and Female Students from Second Cycle Schools in Accra on “The Ghanaian Woman” under the theme “A Total Woman in the Making”, at the GNAT Hall, Accra, on 18th March 2011.
• Lecture on “A Double-Edged Sword: Slavery in Ghana”, to Faculty and Students from Indiana University, Bloomington, U.S.A., at the Institute of Continuing and Distance Education, University of Ghana, Legon, on 12th May 2011.
• Lecture on “Ghana and the Slave Trade”, to Faculty and Students from Duke University, U.S.A., at the K.A. Busia Hall, University of Ghana, Legon, on 30th May 2011.
• Lecture on “A Brief History of Ghana” to Faculty and Students from New York University, U.S.A. on The Journalism Summer Programme at the New York University Accra Academic Centre, La Bone, on 30th May 2011.
• Lecture on “Slavery in Ghana: A Double Edged Sword” to Faculty and Students from Harvard University, U.S.A., on the Harvard Summer Programme, at the Department of Economics, University of Ghana, Legon, on 23rd June 2011.
• Lecture on “The Slave Trade: An African Perspective” to Faculty and Students from James Madison University, U.S.A., at the Language Centre, University of Ghana, Legon, on 24th June 2011.

Dr. D.E.K. Baku
• Intellectual resistance to colonialism in the Gold Coast
• The political, legal, social and economic rights of emancipated slaves in the Gold Coast
• Legal and constitutional history of Ghana
• The history of industrial relations in Ghana

Publication:

Conferences:
• “From James Fort to Christiansborg: The journey of Nkrumah to political power in Ghana”, Paper presented to an international conference on “Shadows of Empire: A study of European imperial/colonial forts and castles from the 15th century to the present”, at the Norwegian University of Science and Technology, Trondheim, Norway, 22 to 24 June 2011.

Mr. E. A. Ofosu-Mensah
• Economic development in Adansi District
• Mining in Akyem Abuakwa
• History of migration in Ghana and West Africa

Mr. K. Adum-Kyeremeh
• History of chieftaincy and politics in Ghana
• A historical perspective of boundary studies in Ghana
• Traditional institutions and change in Bono Ahafo
• The history of the development of Sports and recreation in Ghana
Mr. C.K. Mbowura
- Female authority among the Nawuri
- Power and conflict among the northern Guan
- Ethnicity and international politics: The space of Gonja, Nawuri and Nchumuru in the Togoland Question
- Allodial rights and the Gonja-Nawuri conflict

DEPARTMENT OF INFORMATION STUDIES

COURSES OFFERED
Diploma in Archives Administration & Librarianship, B.A in Information Studies, M.A in Library Studies, M.A in Archival Studies, M. Phil in Library Studies, M. Phil in Archival Studies and PhD.

STUDENT NUMBERS
Undergraduate - 1600
Graduate - 35

NUMBER OF STAFF
Academic (Full time) - 8
Academic (Part time) - 17
Senior Staff - 3
Junior Staff - 4

PUBLICATIONS
Mrs. Perpetua S. Dadzie
- Re-thinking Information ethics education in Ghana. Is it adequate?
- Providing ICT support to distance education Students: A Case of the University of Ghana, Legon

Prof. A.A. Alemna
- Review of copyright: Interpreting the Law by P. Cornish
- Knowledge Management in Academic Libraries: The case of the Balme Library.

Mr. M.D. Dzandu

Prof. H. Akussah & Bentil W.
- Abuse of Library Materials in Academic Libraries: Case Study of the University of Cape Coast Main Library.

Prof. H. Akussah & Udorn, E
- Disaster and Risk Management in an Electronic Environment: A Study of the Planning and Management Information Services Directorate of the University of Ghana, Legon.

CONFERENCES/WORKSHOPS/SEMINARS
December 2010: Annual General Meeting of the Ghana Library Board participation by the following faculty:
Mrs. Perpetua S. Dadzie
Mr. M.D. Dzandu
Mr. S.N.B. Tackie
Dr. M. Adam
DEPARTMENT OF POLITICAL SCIENCE

OVERVIEW
The Department is one of the progressive units in the Faculty of Social Studies. The large number of candidates who applied to pursue courses in Political Science in the 2011/2012 academic year indicates that it is one of the most popular units in the faculty. The department recorded significant progress in the area of infrastructural and human resource development. Faculty members also made advances with their teaching, research and publication responsibilities.

COURSES OFFERED
The Department offered 43 undergraduate and 17 graduate courses. The breakdown is as follows:

STUDENT NUMBERS

Undergraduate
Level 100 - 744
Level 200 - 811
Level 300 - 1,010
Level 400 - 977
International Students - 120

MA-Public Affairs - 29
Graduate
M.Phil 1 - 13
M.Phil 2 - 10
PhD - 4

STAFFING
The teaching staff strength stood at twenty (22) in both first and second semesters. A breakdown of the overall staff at post was as follows:

1 Emeritus Professor
2 Professors
1 Associate Professor
8 Senior Lecturers
9 Lecturers
2 Senior Staff
3 Junior Staff
1 Assistant Lecturer

RESEARCH/PROJECTS
The faculty members continued to impact positively on Ghanaian society through research and extension activities outside the walls of the university. Research and publication activities undertaken during the year covered a wide range of areas including political parties, constitutional bodies, governance, democracy and democratization in Ghana, regional integration, non-governmental organizations and refugees in Ghana. Faculty members engaged the public through round-table conferences organized by some civil society organizations, radio and newspaper discussions. What is interesting was that some faculty members served as resource persons at some of these public fora to impact knowledge in the Ghanaian publics.

Dr. Emmanuel Debrah
Research Activities
• Financing Constitutional Bodies in Ghana, 2011
• Local Government Elections in Ghana, 2011 Survey

Publications

Boards and Committees
• Academic Board
• Faculty Board
• Library Board

Dr. Bossman Eric Asare
Research Activities
• Tobacco Control Policy
• Agenda Setting in Public Policy
• International Politics

Publications
• Asare, B. et al Traditional Institutions and Agenda setting: The case of the Adoption of the Ghana Education Trust Fund

Boards and Committees
• Patron, Political Science Students Association, 2010 – Present
• Examination Officer, Department of Political Science, 2011

Ransford Edward Gyampo
Publications
• Gyampo, R (2011) “Somalia: An Ant-Thesis of the Western Conception Of Failed States” GJDs, vol. 8, no. 1
• “Saving Ghana From Its Oil: A Critical Review of Preparations So Far Made” Africa Today, vol. 54 no. 7

Dr. Ziblim Iddi
Research Activities
• Political Parties And Elections
• The 2010 District Level Elections

Evans Aggrey-Darkoh
Research Activities
• Local government elections in Ghana
• Managing political transitions for human development

Publications
• Political Transitions and Human Development in Ghana, UNDP – 2011 (forthcoming).

Boards and Committees
• Examination Board, 2009 – 2010
• Member - Board of Faculty of Social Studies

Prof. A. Essuman-Johnson
Publications

Kwame Asah-Asante
Research Activities
• The media, elections and democratic consolidation: a study of the fourth republic (article submitted for publication, Ghana Social Studies Journal.
• The media and corruption in Ghana: an appraisal (ongoing research) changing forms of political communication and elections in Ghana (PHD thesis).

Boards and Committees
• Examiners Board
• Joint Examiners Board

Alexander Kaakyire Duku Frempong
Research Activities
• Consortium for Development Partnership (CDP) Project 2 on Conflict Mobility in West Africa: The Case of the Fulani in Ghana.

Publications

Boards And Committees
• Departmental Seminar Committee
• Examination Officer

Dr. Abdulai Kuyini Mohammed
Research Activities
• Local government finance in Ghana; legislative oversight and budgeting in Ghana, institutions and good policy making in Ghana.

Publications

Boards And Committees
• Graduate studies committees
• Independence study committees

Professor Kwame Boafo-Arthur
Publications

Professor Emmanuel Gyimah-Boadi
Research Activities
• Ghana’s Constitutional and Governance Enhancement, Challenges and Prospects.
• Assessing African Democratization and Governance Progress after 20 Years.
• Assessing African States Capacities for Transformation.

Publications
DEPARTMENT OF PSYCHOLOGY

OVERVIEW
The Department of Psychology was established in 1967 under the Faculty of Social Studies. Currently, the department is one of the largest in terms of student enrollment as young men and women continue to be attracted to our undergraduate and graduate programs. Our professional programs continue not only to attract graduates from psychology but also from several disciplines such Social Work, Medicine, Public health and Pharmacy. The faculty prides itself with high quality research and scholarly work spanning all areas of human behavior and mental processes and continues to engage in several extension programs and projects. Unfortunately, despite the forward looking prospects of the department, it is housed in a very small temporary structure which is a constraint to faculty expansion and development.

Despite these challenges, the Department continues to work towards its long term mission of becoming a center for excellence. Three attractive professional programs are run currently at the department. This includes Clinical Psychology, Industrial and Organizational Psychology and Social Psychology. There are plans to add Guidance and Counseling and Developmental Psychology to the MPhil programs in the subsequent years.

COURSES
We offered a wide range of courses at the undergraduate level. In all, about 40 courses were offered at Levels 100, 200, 300 and 400. Over the years, there have been astronomical rise in the number of students who offered Psychology both as single majors and combined majors.

Three postgraduate programs were offered at the postgraduate level. These are Clinical Psychology, Industrial Organizational, and Social Psychology programs.

STUDENTS NUMBERS
The breakdown of students per level is as follows:

<table>
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<th>Level</th>
<th>Number</th>
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<td>300</td>
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<td>400</td>
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</tr>
<tr>
<td>M.Phil</td>
<td>73</td>
</tr>
<tr>
<td>Ph.D</td>
<td>16</td>
</tr>
<tr>
<td>Total</td>
<td>3152</td>
</tr>
</tbody>
</table>

ACADEMIC STAFF
One new lecturer, Mr. Stephen Kumaku was recruited to strengthen the staffing position of the Department. More appointments are expected to be made during the next academic year. The academic staff strength for the period was 22, made up of:

<table>
<thead>
<tr>
<th>Type</th>
<th>Number</th>
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</thead>
<tbody>
<tr>
<td>Professors</td>
<td>3</td>
</tr>
<tr>
<td>Senior lecturers</td>
<td>4</td>
</tr>
<tr>
<td>Lecturers</td>
<td>12</td>
</tr>
<tr>
<td>Senior lecturers (Part-time)</td>
<td>3</td>
</tr>
</tbody>
</table>
Academic Support Staff
National Service Personnel  20
Graduate Assistants  5
Teaching Assistant  6
Non-Academic Staff
Administrative/Clerical Staff  6

BENEFACTORS
The department acknowledges the generosity of the following in donating books to the Department’s library: Mrs Phillips, Prof. Charles Mate-Kole and Dr. Vivian Dzokoto.

CONFERENCES/SEMINARS/WORKSHOPS
The Department in collaboration with Department of Psychiatry, Korle-bu successfully organised and International Conference on Your Psychological Wellness: Your Mental Health on the 2nd of November, 2011.

PUBLICATIONS
Asumeng, M.

Abdul-Nasiru, I.

Nyarko, K.

Osafo, J.

Atindanbila, S.

Amponsah, B.

Mate-Kole, C.

Afrifa, A.

Danquah, S.A.

Kumako, S. K.

CONFERENCES/WORKSHOPS/SEMINARS
Amponsah, B.
• July 15, 2010. Paper presentation at the Ghana Armed Forces Command and Staff College on Thinking, Problem-solving and Methods of solution. Teshie, Accra.

Mate-Kole, C.C.
• Annual Meeting of the International Neuropsychological Society, Validation of the Revised Quick Cognitive Screening Test. Helsinki, Finland. (Accepted).

Danquah S.A.

Osafo, J.
• September 3, 2010. Paper Presented on Moral self and perceptions about suicidal behaviour in Ghana. 13th European Symposium on Suicide and Suicidal Behaviour (ESSSB)
• May 27, 2010. Presentation on Religion and morality: Exploring the basis of African morality. Workshop on suicide, Roros, Norway,
• February 24, 2011. Presentation on meaning(s) of suicide in Ghana. Results from a qualitative interview study of psychology students, health professionals and lay persons. Seminar on Suicide, UG, Legon.

PROJECTS/RESEARCH IN PROGRESS
Opoku, J.Y
• Opoku, J.Y & Brukum, E.A. (Forthcoming). The psychological effects of widowhood rites and mechanisms of coping among Ghanaian women. [Manuscript ready for publication in 2011]

Amponsah, B.
• Development of Aptitude Tests
• Child-rearing practices and their impact on development of cognitive spatial skills.
• The influence of daylight on sleep, sleepiness, fatigue and mood

Charity, A.
• Suicide and Suicide Prevention
• Gender roles in Ghana

Mate-Kole, C.C.
• Neurocognitive Rehabilitation; Memory training in older adults;
• Neuropsychology of stroke and brain tumors; Aphasias
• Validation of the Quick Cognitive Screening Test in Ghanaian sample
• Dementias; Neuropsychology of Adult Sickle Cell disease.
Danquah, S. A.

Asumeng, M. A.
- The psychology of performance feedback in managerial and business contexts.
- Managerial Competency Models: Psychological Analysis and Implications for Feedback and Performance Management Research.
- Decoupling Management and Leadership: An Organisational Psychological Perspective.
- The significance of self-awareness as an anchor in relation to feedback seeking.
- Managers’ Feedback seeking propensities on intra-personal, inter-personal and leadership skills.

Abdul-Nasiru, I.
- Organisational development,
- Organisational change, organisational culture, employee psychological well-being,
- Emotional intelligence, organisational behaviour,
- Organisational justice and recruitments and personality profiling

Kumako, S. K.
- Team processes
- Organizational leadership
- Organizational behaviour

Atindanbila, S.
- African Traditional Medicine and the Role in Mental Health
- Psychosocial problems of students in general
- Management of depression and stress-related problems of the youth
- Development of Assessment tools for research
- Analysis of data using quantitative methods using SPSS

Gyasi-Gyamerah, A. A.
- Life skills
- Reproductive Health Issues

Wiafe-Akenteng, C. B.
- Social Cognition
- Relationship between beliefs/culture/attitudes
- Decision making and Psychological concerns of Adolescents and Youths

DEPARTMENT OF SOCIAL WORK

OVERVIEW
The Department of Social Work is one of the units of the Faculty of Social Studies charged with the responsibility of training students for social work practice. Social work is a profession that has two very broad and overlapping dimensions. On the one hand social work is a helping profession: it focuses on helping people solve or prevent the occurrence of personal or social problems. Social work practice, on the other hand also aims at social change.

While the Department accepts problem solving as basis of social work, we believe that there is the need to move beyond it. Social Work is a social profession. Our area of expert knowledge and the focus of our practice is in the relationships that people have with others.

Fieldwork is an integral part of the social work practice. Through our long vacation and concurrent fieldwork activities our students are offered internship in various organizations – both Governmental and non-governmental -in the country.

In the academic year under review the Department had a student population of 1030. Out of this number 14 were graduate students.
The Sandwich Diploma programme which started in the 2006/2007 academic year with 81 students has grown in size. In the 2009/2010 academic year the number had risen to 309.

COURSES OFFERED
The Department runs four programmes –Diploma (Sandwich), BA, Master of Philosophy and PH.D in Social Work.

STUDENT NUMBERS ACADEMIC YEAR 2009/2010

GRADUATE
- M.PHIL - 15

UNDERGRADUATE
- Level 100 - 246
- Level 200 - 102
- Level 300 - 171
- Level 400 - 170
Total - 704

Diploma in Social Administration
- Diploma I - 185
- Diploma ii - 172
Total - 357

Grand Total - 1061

STAFF
The staffing position in the year 2009/2010 is as follows:

- Senior Members: 7
- Teaching Assistants: 9
- Part-Time Lecturers: 5
- Senior Staff: 2
- Junior Staff: 2
- National Service Persons: 10

PUBLICATIONS/PAPERS PRESENTED

Ohene-Konadu, Kofi et al
- Supervisory style, workers morale and productivity in selected organizations in Ghana, African Administrative Studies No. 71, 2008.

Cynthia Akorfa Sottie

Florence Akosua Agyemang
- The challenges of Demographic Transition of the Elderly in Ghana from Youth to Old Age
- Problems of the Elderly in Ghana and the Existing Measures to solve them, Ghana Social Science Journal vol 5 and 6 No. 1 and 2 2008/2009

Abrefah, P.K et al
- The Increasing number of Patients and Quality of Health care Service Delivery at the University of Ghana Hospital: The Role of the Medical Social Worker, journal of Literacy and Adult Education Vol 4 No. 1, IAE, Woeli Publishing Services.
RESEARCH ACTIVITIES IN THE DEPARTMENT
The Department embarked upon the following research work:-

**Dr. Kofi Ohene-Konadu**
- Employment Relationship and Conflict

**Mr. P.K Abrefah**
- The Socio-economic Background of Social Work Trainees at Legon
- Child Maintenance Laws and Family Welfare
- Education and the Role of School Social Work.

**Dr. Cynthia Akorfa Sottie**
- School Social Work
- Child Welfare and Protection

**Ms. Florence Akosua Agyemang**
- The Role of Women in Community Development in Ghana

**Ms. Efua Esaaba Mantey**
- Children with Disability and Their Education
- Child Poverty
- Family and Child Welfare

**Dr. Mavis Dako-Gyeke**
- The Experience of Orphans and Vulnerable
- Children in Ghana.
- Ghanaian Nurses’ perception of Mental Health Service. Delivery in Ghana.

CONFERENCES AND SEMINARS
International Seminar in Disability Studies held on 17-18 May, 2010 at the Department of Social Work, University of Ghana, Legon.

EXCHANGE PROGRAMME
In connection with memorandum of understanding the Department has with Malmo University, Sweden, two senior members of the Department paid a planning visit to Malmo University. The memorandum of understanding between the Department and the Faculty of Social Work, University of Manitoba, Canada is working well, so far six of our graduate students have benefited from the exchange programme. Two students from Malmo University were here on exchange programme.

FIELD TRIPS TO SCHOOLS/ORGANIZATIONS
Senior Members of the Department undertook field trips to all the regions of the country where our students were posted to for attachment.

DONATION
Dr. Marie-Antoinette of College of Social Work, UK 655 Patterson Office Tower Lexington, Ky 40506-0027, donated Six books to the Department.
DEPARTMENT OF SOCIOLOGY

OVERVIEW
The department as usual continues to successfully carry out its main responsibilities with respect to teaching and research at the Legon campus and the Accra City Campus. However, due to the fact that the staff situation is not adequate a few elective courses were not offered at the undergraduate level. The department was, however, able to teach all the relevant courses at both the undergraduate and graduate levels. The staff strength of the department has slightly improved during this academic year with the appointment of five new assistant lecturers. This positive development notwithstanding, the staff situation still needs improvement to enable the department to shoulder its responsibilities adequately and efficiently. The academic staff in the department also taught in other departments of the university that have traditionally relied on it to teach some courses.

COURSES OFFERED
The Department offered 33 undergraduate and 19 graduate courses. The breakdown of courses and staff is as follows:

STUDENT NUMBERS

<table>
<thead>
<tr>
<th>Undergraduates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 100</td>
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<td>Level 200</td>
<td>725</td>
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<td>Level 300</td>
<td>621</td>
</tr>
<tr>
<td>Level 400</td>
<td>705</td>
</tr>
<tr>
<td><strong>SUB-TOTAL</strong></td>
<td><strong>2,789</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Postgraduates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph.D</td>
<td>19</td>
</tr>
<tr>
<td>MA/MPhil</td>
<td>15</td>
</tr>
<tr>
<td><strong>SUB-TOTAL</strong></td>
<td><strong>34</strong></td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>2,823</strong></td>
</tr>
</tbody>
</table>

STAFFING

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Staff</td>
<td>20</td>
</tr>
<tr>
<td>Senior Staff</td>
<td>2</td>
</tr>
<tr>
<td>Junior Staff</td>
<td>4</td>
</tr>
<tr>
<td>Academic Staff</td>
<td>25</td>
</tr>
<tr>
<td>Non-Academic Staff</td>
<td>6</td>
</tr>
</tbody>
</table>

VISITORS TO THE DEPARTMENT
The Nigerian Sociology and Anthropology Students Association visited the Department from 5th-9th October 2011.

BENEFACCTOR
Student Study Abroad Programme
The Masters students continue to benefit from one year Student-Exchange programme between the Department and University of Tromso. Mr Baffoe Paul and Kennedy Komla Akrong benefited from this programme. They left for Norway in January, 2011 and are expected back in January 2012. One of them has returned and the other will return by the end of February, 2012.

PUBLICATIONS

Dan-Bright S. Dzorgbo
- Tsai Ming-Chang and Dzorgbo Dan-Bright S. Familial Reciprocity and Subjective Well-being in Ghana, in Journal of Marriage and Family (article forthcoming)
Akosua K. Darkwah


Michael P. K. Okyerefo


Prof. Kodjo A. Senah


Thomas Antwi Bosiakoh


Anamzoya Alhassan S.


Asante Rabui K. B


• Asante Rabui K. B. (My Phone My Work: The Role of the Mobile in the lives of Women Foodstuff Traders” Under review for publication in the Legon Journal of Sociology.

PROJECTS
Dan-Bright S. Dzorgbo

• Auditing and Monitoring Compliance and Status of Implementation of Protocols, Conventions, Decisions and Best Practice Standards of the African Union Member States: The Case of Ghana. This study audited and monitored Ghana’s implementation of AU’s treaties The Ghana report is published as State of the Union Ghana Report 2010 available at www.stateoftheunionafrica.net.

• Comparative Study of the Use and Development of Governance Indicators in Africa: The Ghana Case. This study was commissioned by the United Nations Development Programme (UNDP) in partnership with the European Union (EU).


Akosua K. Darkwah

• Studying the impact of international financial inflows into Takoradi on employment opportunities for women in the oil industry.

Michael P. K. Okyerefo

• Pentecostalism: An Arm of Civil Society in Governing Ghana.

• “God is the Greatest Physician”: Religious and Health Beliefs and Practices of Prayer Groups in Achimota Forest (Research collaboration with Dr. Laura J. McGough, School of Public Health, University of Ghana).

Prof. Kodjo A. Senah

• Sustainable sanitation solutions in peri-urban communities in the Dangme West District. A study being conducted in cooperation with School of Global Health, University of Copenhagen; School of Public Health (UG); and Dodowa Health Research Centre (MoH).

• Negotiating social life in an urban slum: The case of Sodom and Gomorrah in Accra.

Thomas Antwi Bosiakoh

• Enhancing the Capabilities of the Most Vulnerable: A Pilot Project on Inequalities in Human Development in Bamako and Accra. With Prof. Samuel AGYEI-MENSAH (Department of Geography and Resource Development), Prof. John ANARFI (Regional Institute for Population Studies) and Adu Owusu SARKODIE (Department of Economics). Project is sponsored by the Swiss Network for International Studies, 2010-2012.

• Exploring the Benefits and Entitlements in Nigerian Migrant Associations in Accra, Ghana.

• Analysis of Online Framing and Representation of Nigerian Migrants in Ghana with Google Ghana Search Engine.
Anamzoya Alhassan S.

CONFERENCES/WORKSHOPS AND SEMINARS
Dan-Bright S. Dzorgbo
• Presented a paper at the Strategic Planning and Methodology Workshop for the State of the Africa Union Coalition 2011-2014, Addis Ababa, April 18-22, 2011. Paper was on methodological issues for auditing and monitoring implementation of AU treaties at national levels.
• Participated in the Workshop to brief Representatives from the African Union Commission and the Permanent Representatives Committee on presented country findings of the State of the Union Ghana Report in Addis Ababa, 2010.

Akosua K. Darkwah
• Internationalization and Afropolitanism in Global Studies Strategic Workshop Cape Town, South Africa, October, 2011.

Michael P.K. Okyerefo

Prof. Kodjo A. Senah
• Legon, November 2011. Faculty of Social Studies Colloquium. Presented a paper with Victoria Okai and Leticia Ackum.
• Paper title: Where shall we shit? Contested sanitation policies in rural and urban Ghana.
• Johannesburg, South Africa, July 2011. Attended a conference on Cultural Heritage. Presented a paper titled: We are the people: Ghanaian Chiefs and contested political power in Ghana.

Antwi Bosiakoh, Thomas
INSTITUTE OF AFRICAN STUDIES

OVERVIEW
The Institute of African Studies was set up in 1961 as a semi-autonomous institution within the University of Ghana, with the mandate to conduct research into all aspects of the arts and the social studies in Africa. Areas of research undertaken by the Institute fall under six academic sections: History and Politics; Societies and Cultures; African Languages, Literature and Drama; Religions and Philosophy; Media and Visual Arts; and Music and Dance.

Apart from offering courses in the above areas, the Institute also teaches a mandatory introductory set of courses in African Studies to all undergraduate degree students of the University, and runs a variety of academic programmes for institutions in Africa and abroad.

The Institute of African Studies is uniquely positioned with, in addition to its six academic sections, a Publications Unit; a Library; a Bindery; a Resident Dance Company (the Ghana Dance Ensemble); oversight of the Manhyia Archives (at the Asantehene’s palace in Kumasi), and the hospitality unit (“Chalets”), which was renamed Yiri Lodge in December, 2010.

The International Centre for African Music and Dance (ICAMD) has since 2009, also become a unit within the Institute.

STAFFING POSITION
The staff strength of the Institute is as follows:

- 23 Senior Members made up of 20 academic staff/Fellows; 1 Principal Archivist (on contract), 1 Archivist, and 1 Assistant Registrar. Of the 20 academic staff/Fellows, four were on post-retirement contract, one on sabbatical leave, and three on study leave during the year under review.
- One Visiting Scholar and one Adjunct Professor.
- A retired Professor serving as Publications Officer and Editor for the Institute’s peer-reviewed journal, the Research Review.
- 24 senior staff members and 43 junior staff members who provide administrative and other support services.
- 21 staff in the Institute’s Hospitality lodging (“Yiri Lodge”).

STUDENT NUMBERS
The Institute registered 4,626 undergraduate students for the Level 200 programme in 2010/11 academic year.

There were a total of 52 MA/MPHIL students made up of 13 new students and 39 continuing students. Additionally, 17 PhD students, made up of four freshmen and 13 continuing students were registered for various programmes during the 2010/11 academic year.

COURSES OFFERED
MA, MPHIL and PhD
MAJOR EVENTS
In addition to the usual round of seminars, workshops and outreach activities, five major events took place during the 2010/2011 academic year. These were:

Kwame Nkrumah Intellectual and Cultural Festival
A Kwame Nkrumah Intellectual Cultural Festival under the Kwame Nkrumah Chair in African Studies was held from September 26 – 29, 2010. The Festival was launched at the VIP lounge with a film on Bob Marley at the Kwame Nkrumah Mausoleum on September 21, 2010, the birthday anniversary of Dr. Kwame Nkrumah. It is expected that the festival will feature on the University Calendar as a biennial event.

Formal Opening and Commissioning of Yiri Lodge
The extension to the existing IAS Chalets, the Yiri Lodge, was commissioned and formally opened to the University community and the general public on Thursday, December 16, 2010. The Pro-Vice-Chancellor, Prof. Kwesi Yankah, cut the tape to commission the facility.

Inaugural Lecture by Former Acting Director
The immediate former Acting Director of the Institute, Prof. Brigid Sackey, upon attaining full professorship, delivered her inaugural lecture on the topic “Urbanity, Religion and Health in Contemporary Ghana: A Paradox of Mission” on Thursday, February 3, 2011 at the Great Hall, University of Ghana, Legon.

Second AngloGold Ashanti Lecture
The second in the series of the Annual AngloGold Ashanti Lecture was delivered by the former Chairman of the University Council, Mr. Tony Oteng-Gyasi on Tuesday, March 29, 2011. His topic was “Financiers of Political Change in Ghana: Heroes & Villains?”

The lecture, which was chaired by the Ag. Pro-Vice-Chancellor in charge of the Office of Research, Innovation and Development (ORID) of the University of Ghana, Professor Yaa Ntiamo-Baidu, brought together both Senior and Junior Members of the University community as well as a cross section of the general public. Also present were officials from AngloGold Ashanti Ghana Limited, the main sponsor of the lecture series.

PhD & MA/MPhil Graduation
At the Congregation held in March 12, 2011, a total of four PhD students from the Institute, including two faculty members, graduated with PhDs. The graduates were:
- Dr. Edward Nanbigne
- Dr. Peter Atakuma Agbodza
- Dr. Sarah Dsane
- Dr. Deborah Atobrah

This was the single largest number of PhDs graduating from one unit in the University’s congregation. Additionally, the Institute presented two MA and eight MPhil graduates at the same ceremony. Further, at the Congregation held in November, 2010 two MA and eight MPhil students from the Institute graduated.

VISITORS TO THE INSTITUTE

Link Programmes
The Institute hosted the following programmes and institutions during the 2010/11 academic year:
- The year-long Trent-in-Ghana programme is a collaboration between the Institute and Trent University in Peterborough, Canada, which brings together, several Canadian students and five Ghanaian students each year.
- The Calvin College Programme, is a semester long programme offered through the Institute to students from Calvin College, Grand Rapids, Michigan.
- The yearlong School for International Training (SIT, Vermont, USA) programme.
- Eighteen students and two instructors from the State University of New York, Brockport (SUNY Brockport) visited Ghana from December 28, 2010 to January 17, 2011, as part of their annual intercessional programme.

During the year under review, a total of 79 persons from universities and institutions in Ghana and abroad visited the Institute’s Museum to view artefacts and goldweights presented to the University by the former Chancellor of the University. Some of the visitors were Dr. B. C. Das, a Visiting Scholar from the Department of Zoology, Raishahi Universality, Bangladesh, and Millicent Adubofour, a Ghanaian Scholar/Researcher resident in Norway.
PUBLICATIONS/PAPERS/ACADEMIC & ARTISTIC WORKS OF STAFF

- The Publications Unit of the Institute publishes a peer-reviewed journal, the Research Review.
- During the 2010-2011 academic year, Research Review Vol. 26. 2 (2010) was published.
- During the year under review, members of the Editorial Committee of the Publications Unit attended workshops as follows:
  - Prof. Mary Esther Kropp Dakubu, Prof. Albert Awedoba and Dr. Stephen Acheampong attended a workshop on Joint Publishing Opportunities for University of Ghana Journals, Co-operating with UNISA Press, Pretoria, and Routledge, New York, organized by the Office of the Pro-Vice-Chancellor (ASA), University of Ghana, Legon, held at Wetlands Auditorium, January 31, 2011.
  - Prof. Kropp Dakubu and Dr. Acheampong attended the “Regional Workshop: Editorial and Online Peer-Review Process,” an International Workshop organized by the Network for the Availability of Scientific Publications (INASP), in collaboration with AJOL, and KNUST, Ghana, at Erata Hotel, Accra, from November 2-5, 2010.
- The following were the publications by Research Fellows of the Institute during the year under review:

Acheampong, S.


Adjei G.K..


Adomako Ampofo, A.


Alhassan, O.


Amanor, K.

- Amanor, K. 2011. “From Farmer Participation to Pro-poor Seed Markets: The Political Economy of Commercial Cereal Seed Networks in Ghana” IDS Bulletin 42.4

Asante, R.


Ayettey, B.O.

- Nkrumah Chair in the Institute of African Studies 2010
- Ayettey, B.O. 2010. Omanye: A group piece performed by the Ghana Dance Ensemble at Great Hall for the Induction of the new Vice Chancellor of the University of Ghana.
- Ayettey, B.O. 2010. Transcending Turbulence: A group piece choreographed by Benjamin Ayettey and Sheron Wrey. A collaborative work between the Ghana Dance Ensemble and Students and Faculty from University of California Irvine.
Awedoba, A.K.

Opoku Aidoo, K.

Sutherland-Addy, E.

Zakariah, Z.A.

MAJOR INSTITUTIONAL RESEARCH PROJECT
- NUFU Project on Globalization and Changes in the Cultures of Survival and Care: From Capacity Building to Policy Dialogue
- During the 2009/10 academic year, the Institute continued its major NUFU (the Norwegian acronym for Norwegian Centre for International Cooperation in Higher Education) Project, a multi-disciplinary project, which begun in 2007 to support Graduate Training through research and other capacity building activities.
- The academic partners of the project, the Institute of African Studies (IAS) of the University of Ghana and the Department of Sociology of the University of Bergen (UiB), are both multi-disciplinary institutions whose capacities and experiences cover graduate teaching on African Traditional Religions, Political Systems, Kinship, Marriage and the Family, and Gender and Care.
- Other partners of the project were Professor Akosua Adomako Ampofo (Director, IAS), Dr Agnes Atia Apusigah (University of Development Studies, Ghana), Professor Albert Awedoba (IAS), Dr Grace Bediako (Government Statistician), Professor Gro Lie (UiB), Professor Knud Knudsen (University of Stavanger) and Dr Bente Nicolaysen (UiB).
- During the year under review, four PhD theses were completed under the project. The topics cover are critical areas of national social development in Ghana:
  - Patterns of Childcare among water Vending Mothers in Tamale: an Ethnographic Study by Bawa Adam
  - Care of Children of Itinerant Market Women in Dzemeni: A problem Oriented Ethnography by Peter Agbodza.
  - Crisis among under five children in the Upper West Region: Changes in Parental care and dwindling kin support by Cuthbert Baataar
  - Care of Grandmothers and Childless Elderly Women in Teshie, Accra: A Case Study by Sarah Dsane
- Preliminary findings from all the studies point to the wide deficits in care for different groups: infants, children, orphans, the aged, childless women, not only among the rural poor but also among all classes of urban dwellers. The studies depict the virtual neglect and absence in policy documents and budgetary provision for concrete and comprehensive social policies for such vulnerable persons.
- In March, 2011, doctorate degrees were conferred on four PhD students supported by the project, namely, Dr. Edward Nanbigne, Dr. Deborah Atoabrah, Dr. Peter Atakuma Agbodza, and Dr. Sarah Dsane at the University’s main congregation. This represented the highest number of PhDs in the University.
JOINT INSTITUTIONAL RESEARCH
Professor Albert Awedoba and Dr. Deborah Atobrah
• Research on Maternal and Reproductive Health; Case of Urban, Peri-Urban and Rural Ga Communities. Funded by UNFPA

Professor Esi Sutherland Addy and Dr. Deborah Atobrah
• Research on Women in African Higher Education; the Case of University of Ghana Project. Funded by FAWE

Professor Esi Sutherland Addy and Dr. Edward Nanbigne
• Research on Storytelling Traditions of Ghana, towards the publication of two volumes. Funded by ORID Dr. Kojo Opoku Aidoo and Members of the Future Agricultures Consortium (FAC) Team.
• Researching the Political Economy of Agricultural Policy Making in Tanzania, Ethiopia, Malawi, Ghana, Rwanda, Mozambique and Burkina Faso.
• Conducting the Ghana Country Study.

Dr. Kojo Opoku Aidoo and Professor Daniel Bruce Sarpong
• Researching Tactical Dynamics within an Agricultural Policy Process: The Savannah Accelerated Development Authority (SADA), Department of Agricultural Economics and Agrobusiness, College of Agriculture and Consumer Sciences, University of Ghana.

FELLOWS’ RESEARCH
Acheampong, S.
• The practice of Traditional Medicine in Ghana and the Government’s policy on it.
• Indigenous Churches in Ghana

Adjah, O. A.
• Aliteracy among fresh graduates in Ghana
• Personal names as information sources
• Career patterns of Ghanaian female librarians

Adjei, G. K.
• Drums as instruments of commemoration
• Evolving ceremonial protocols in chieftaincy
• Music at the Burial of Oyeeman Wereko Ampem: The interface between Tradition and Modernity.”

Adomako Ampofo, A.
• Men of God, Discourse and Gender; (with Michael P K Okyerefo)
• Changing Representations of Women in Ghanaian Popular Music” (with Awo Asiedu, Peace Tetteh and Fidelia Ohemeng, University of Ghana; ORID grant).
• Analysing Changes in Women’s Work in Domestic Service and the Banking Sector in Ghana (PI: Dzodzi Tsikata, co-Investigators Akosua Darkwah, Nana Akua Anyidoho, University of Ghana; IDRC grant).
• Understanding violence among Tertiary Institution students at the University of Ghana (with Akosua Darkwah and Fidelia Ohemeng, University of Ghana; Unifem grant).

Alhassan, O.
• Research on Disaster Risk Reduction in Africa.
• Research on Institutional Collaboration for Diaspora Engagement in Ghana’s Development

Amanor, K.
• Anthropogenic carbon rich soils in Ghana, seed production systems, political economy of agribusiness

Amoah Labi, K.
• A comparative study or art education between Ghana and Kenya. An investigation into the disconnect between studio art and the discipline of art historical scholarship.
• Afro-Ghanaian Influences in Modern and Contemporary Ghanaian Paintings. I investigate the success in using Western art materials and techniques to capture and project local cultural values, subjects, and subject matter.
Ayettey, B. O.
- The role of dance in the fire festival of the Tampolensi people
- The social significance of Jara dance among the Dagbamba of Northern Ghana
- Enskinment of the Dagbamba chief of “Madina”

Asante, R.
- Between the State and the Ethnic Group: The Crisis of National Identity in Africa

Atobrah D.

Awedoba A.K.

Nanbigne, E.
- A study of Dagaare discourse in the social context of drinking of pito. (Funded by American Council of Learned Societies.

Owusu, B.
- Popular culture - Structures and functions of Festivals and Funerals in Ghana
- Tricksters and Folktales Performance in Ghanaian Society.
- Traditional Taboos and their social and religious effects on Ghanaian Societies.
- The power of Insults in the Social and political life of Ghanaians.
- Collections of Oral Histories of B/A Towns and villages.
- Typology of Folksongs and their makers.
- The Classification and typology of diseases among the Akan of Ghana.

Sutherland-Addy, E.
- Editorial work on text book on African Studies.

Zakariah Z.A.
- Damba: A dance and festival of Northern Ghana.
- Ethics and Sanctions of the Lunsi institution of Dagbon.
- Chiefly praise poetry in Dagbon.
- Announcing the Dead in Dagbon.

CONFERENCES, WORKSHOPS AND SEMINARS
During the 2010/2011 academic year, the following Fellows presented papers at conferences workshops and seminars:

Acheampong, S.

Adjah O. A.
- Training for e - learning for planners and academic administrators, Beijing, China 2-5 October, 2010.
- Seminar on Science Direct and Scopus databases. 2nd June 2011. Accra.

Adomako Aampofo, Akosua
- “To Smash the Ceilings or To Build Open Houses? Women Confronting the Glass Ceiling” Speaker at International Women’s Fair 2011, under the Theme: A Woman’s Struggle for Recognition – Breaking through the Glass Ceiling”, Accra; May 6, 2011.
• “Changing Representations of Women in Popular Media”; Keynote speaker at The Centre for Communication and Culture’s workshop on the Theme: Women in Media Eyes, Accra; April 29, 2011.
• Panellist, “Vice-Chancellor’s Palaver: 50 Years of Generating Knowledge at The Hill; Re-positioning University of Dar es Salaam as A Pan-African University”. Third Julius Nyerere Intellectual Festival Week, University Of Dar Es Salaam; April 14, 2011.
• Panellist on the Forum on Democracy organised by the Department of Ecumenical and Social Relations, Presbyterian church of Ghana: “How can Ghana’s Democracy be Sustained Without Violence, Vengeance, Vindictiveness, Malice and Insult?”, Accra; March 27, 2011.

Alhassan, O.
• “Development of Undergraduate and Graduate Courses for Disaster Risk Reduction and Climate Change Adaptation at the University of Ghana”. Presented at the Third Consultative Meeting on the Development of a Risk Science for Africa, Giraffe Ocean View Hotel, Dares Salam, May 12 – 16 2011.

Amoah Labi, K.
• “Art History In Ghanaian Academic Institutions.” Presented at the 15th ACASA Triennial Conference, Los Angeles, March 21 – 29, 2011.

Amanor, K.
• “The environmental politics of Biocultural Diversity: Sacred groves, forest trees, soils and agriculture” paper presented at Why do we value diversity ? A cross disciplinary workshop on biocultural diversity, Rachel Carsen Center for Environment and Society, Munich, 4-5 June, 2011.

Asante, R.
• Conflict Mobility in Ghana: The Case of the Fulani in the Kwahu North District” (Joseph R. A. Ayee, Alex K. D. Frempong and Richard Asante), Presented at the Yiri Lodge, Institute of African Studies, University of Ghana Legon, 18 March, 2011.

Atobrah, D.
• “When Darkness Falls at Mid-Day: Patients’ Constructions And Perceptions of the Incidence of Chronic Illness at Young Adulthood, and their Implications for Medical Care”. Presented at Faculty of Social Studies Colloquium, University of Ghana, April, 2011.
• Methodology Workshop for the Comparative Research Networks organized by CODESRIA in Abidjan, 21 – 23 October 2010.
Awedoba, A.K.


Opoku Aidoo, K.

- “European Union - East African Countries Trade Relations: Problems and Challenges” - Presented at an international workshop organized by the African Resource and Research Forum (ARRF) in Bujumbura, Burundi from March 17 to March 19, 2011

Owusu B.

- “The history of folklore and the Birth of the Ghana Folklore Board.” Chaired Seminar to Sensitise Stakeholders on Folklore and the Activities of the National Folklore Board held at the Dubois Centre in Accra on August 24, 2010.

Sutherland-Addy, E.

- “Musings on Creativity as the Spark for Modern Nationhood.” Keynote Speaker and Presenter at the 9th Faculty of Arts Colloquium held at the University of Ghana, Legon from March 22 – 23, 2011.

AWARDS/PRIZES/RESEARCH GRANTS
Adomako Ampofo, A.

- Obaa Mmo award from TV Africa for outstanding women in Ghana, June 2011.
- International Development Research Centre (IDRC) Grant for Study “Formalising the Informal and Informalising the formal? Analysing Changes in Women’s Work in Domestic Service and the Banking Sector in Ghana (PI: Dzodzi Tsikata, co-Investigators Akosua Darkwah, Nana Akua Anyidoho, University of Ghana).
- UNIFEM/Leverhume Trust Grant: “Research, Training, Counselling & Legal Support to Prevent, and Ameliorate the effects of Violence and HIV-infection among Selected Groups in Southern Ghana” (PI: Akosua Adomako Ampofo, with The Ark Foundation and the Domestic Violence Coalition).
Amanor, K.S.

Atobrah, D.
• UNFPA financial support for Family Planning study administered by the Cheikh Anta Diop University of Dakar.

Asante, R.
• 2010: Afrobarometer Fellow, University of Cape Town, South Africa

Awedoba A.K.
• Two Months NUFUSA-2009/10861 Visiting Researcher Award.
• UNFPA financial support for Family Planning study administered by the Cheikh Anta Diop University of Dakar.

Nangbine, E.
• One year fellowship from American Council for Learned Societies (ACLS), for research into Discourse and Drinking among the Dagaaba of North-Western Ghana.
• Six week fellowship by NUFU, for reading and preparation of publishable papers at the University of Bergen, Norway.

Opoku Aidoo, K.
• Future Agricultures Consortium (FAC) Grant for Study “Agricultural Policy Making In Ghana”. 2011
• Future Agricultures Consortium (FAC) Grant, SADA study. Co-investigator – Professor Bruce Sarpong. Department of Agricultural Economics and Agrobusiness, College of Agriculture and Consumer Sciences, University of Ghana.

Sutherland-Addy, E.
• University of Ghana Research Grant for the period 2009-2011 “ Shall I tell you or shall I not tell you” A Survey of Ghanaian Tales and Storytelling Traditions. (PI: Esi Sutherland-Addy, with Edward Nanbigne).

EXTENSION ACTIVITIES
Acheampong, S.
• Coordinator, Religions and Philosophy Section, Institute of African Studies, University of Ghana, Legon.
• Academic Coordinator, Trent-in-Ghana Program, (Institute of African Studies, University of Ghana, and Trent University, Peterborough, Canada).
• Co-Editor, Research Review, Institute of African Studies, Legon; External Assessor, Takoradi Polytechnic.
• Member, AFREA Interim Journal Committee; Campus Chaplaincy Ministry, St Thomas Aquinas Roman Catholic Church, University of Ghana, Legon.
• Lecturer, Distance Education, University of Ghana, Legon
• Fellow, Akufo Hall, University of Ghana

Adjah, O.A.
• Member, Ghana Library Association.
• Tutor, Volta Hall

Adjei, G.K.
• Director of Music, Ebenezer Methodist Church, Madina.
• Board Member, Ebenezer Methodist Basic Schools.
• Zonal Consultant, Association of Methodist Church Choirs, Accra Diocese.

Adomako Ampofo, A.
• Member, African Evaluators Network (AFREA); Africa Gender and Development Evaluation Network (AGDEN); African Studies Association; Domestic Violence Coalition; Ghana Studies Council; International Sociological Association (ISA); Sociologists for Women in Society (SWS); Women’s Caucus of the African Studies Association (and Steering Committee Member); Network for Women’s rights in Ghana (NETRIGHT).
• Advisory Board Member, African Humanities Fellowship Programme (under the auspices of the American Council of Learned Societies/Carnegie Corporation); Christian Rural Aid Network; Action Aid Ghana; Ghana Institute of Linguistics, Literacy and Bible Translation, GLLBT (Vice-Chair); Editor: Ghana Studies.
• Editorial Board member: Feminist Africa.
• Reviewer: Culture, Societies and Masculinities, African Humanities Fellowship Programme; Gender and Society; Ghana Studies; Research Review. ACLS.

Alhassan, O.
• External Assessor, University for Development Studies, Wa Campus.
• Member, Executive Committee, Ghana Penal Justice Observatory System, Ghana.
• Ag. Chairperson, Legon Muslim Society.
• Member, National Zakat (Alms Tax) Policy Document Review Committee.

Amanor, K.
• Member, Advisory Board of Africa: Journal of International Africa Institute; Advisory Board of Journal of Agrarian Change; Board of Directors, Integrated Social Development Centre (ISODEC).

Asante, R.
• Member, American Political Science Association (APSA); Consortium for Development Partnerships, Conflicts and Conflict Resolution in Africa

Atobrah, D.
• Project Coordinator, NUFU Project on Globalization and Changes in the Culture of Care and Survival (A collaboration between the University of Ghana and the University of Bergen).
• Seminar Coordinator, Institute of African Studies; Member, Curriculum Development Committee, CEGENSA.

Ayettey B.O.
• Dance lecturer for the University Study Abroad Consortium 2010.
• Chief Adjudicator- First and Second Cycle Schools in Accra Metro Cultural Dance Festival.
• Resource Person for First and Second Cycle Schools Cultural Festival.
• Board Member, National Theatre of Ghana; Choreographer, Theatre Arts Department (University of Education) Winneba.

Awedoba A.K.
• Caretaker Editor: UNIVERSITAS.
• Editor-in-Chief, Research Review.
• Member, Accreditation Panel to assess IAS-UG and Department of African Studies, University of Cape Coast.

Maaseg, M.
• Tutor, Institute of Continuing and Distance Education, University of Ghana, Kumasi Centre,

Opoku Aidoo, K.
• Member, Lands Commission Board, Central Region.
• Associate Fellow, African Resource and Research Forum, Nairobi Kenya
• Board Member, Boa Amponsem Secondary School, Dunkwa-on-Offin
• Reviewer for: Journal of Democratization and Journal of Intra-African Studies

Owusu Brempong
• Member, Board of Directors, Techiman Secondary School; Techiman Council

Sutherland-Addy, E.
• Chairperson, Kwame Nkrumah Intellectual and Cultural Festival Planning Committee, University of Ghana; Forum for African Women Educationalists (FAWE) Ghana Chapter Board; Centre for Higher Education Transformation, Cape Town, South Africa; Board of Afram Publications, Ghana Ltd; Interim Committee, Ghana Heritage Foundation; International Advisory Board, PANAFEST.
• Senior Scholar and Advisory Board Member, American Council of Learned Societies (ACLS) African Humanities Program.
• Board Member, West Africa Civil Society Institute, Accra;
• Member, Executive Committee, Forum for African Women Educationalists, Nairobi, Kenya; Council of Consultant Fellows, UNESCO International Institute of Educational Planning (IIEP); Ministerial Advisory Board, Ministry of Education. PANAFEST 2011 Planning Committee; Team for the Development of a Legal Framework for Education Decentralization in Ghana, Ministry of Education/USAID Ghana Education Decentralization Project.
• Advisory Board Member, Association for Higher Education of Women in Africa (ASHEWA), Harare Zimbabwe;
• Director, Ghana Education Service Council Panel on Promotion; Secretary, Board of Mofofa Foundation;

Zablong A.Z.
• Vice President, Zabzuguo Area Youth Association.
• Sampahinaa (Assistant Chief Drummer), Madina Dagbamba Community.
• Country Director of Culture (Ghana) Knowledge and Skills Share (KSS, Foundation), NGO.
• Tutor, Akuafu Hall.
• Member, Akuafu Hall Governing Council.
• Executive Member, University of Ghana Community Mosque Management Committee

BENEFACTORS/BENEFACTION
The Institute received books, journals and other donations from the following individuals and organizations: (Ekow, please put in alphabetical order)
• Mr. Alex Vines (Head of Africa Programme & Director of Regional and Security Studies, Chatham House, London)
• Balme Library, UG
• Centre for Migration Studies, UG
• HE Claude Maerten, The Head of Delegation, EU
• Mr. David Sogge (Transnational Institute, The Netherlands)
• Faculty of Social Studies, UG
• Dr. Gbemisola Remi Adeoti (Department of English, Obafemi Awolowo University)
• Professor Jeffrey A. Russell (University of California, Irvine)
• HE Luis Fernando Serra, Ambassador of Brazil to Ghana
• Dr. Sc. Pol. Willie B. Lamoussé-Smith (Nana Amanyi 1) (University of Maryland, Baltimore County, USA)
• Mrs. Sheila Minka-Premo, Executive Secretary, ACLP
• Professor Sheron Wrey (University of California, Davis)

The IAS Library also received donations from the following:
• Dr. A.A. Agordoh, IAS
• Prof. Akosua Adomako Ampofo, IAS
• Akira Takada
• Prof Christine Oppong, IAS
• Edward Nanbigne, IAS
• Rev. Dr. Elias k. Asiama
• Dr. Esther Goody
• George Bob-Millar, IAS
• Mad. Gwendolyn Quaye
• Prof Horace Campbell
• Jan Dunzendonfer
• Junka Maruyama
• Prof. Kofi Agorsah
• Prof Kojo Amanor, IAS
• Marika Sherwood
• Osman Bari
• Mrs Tabitha Deh
• Prof. Takyiwa Manuh, IAS
• Vitor Lourenco
INSTITUTE OF AFRICAN STUDIES LIBRARY

OVERVIEW
During the period under review, the Library developed and improved its core services and products towards the realization of the vision and mission of the Institute.

STAFFING
The Staff in the Institute’s Library comprise the following:
• One Senior Asst Librarian
• Five Trained Library Assistants
• One Untrained Library Assistant
• One Messenger/Cleaner

Four national persons were attached to the IAS Library to provide administrative support

Services - Online Catalogue
The Library continued to input data into the online catalogue, the union catalogue of all libraries in the University of Ghana Library System. This catalogue, which could be accessed both on and off campus, provides an excellent starting point for research.

During the period, the Library continued to provide the following services
• Enquiry and references services
• Current awareness
• Photocopying
• Orientation for fresh graduates
• Introduction to the use of e-databases (graduate students)

Current Awareness
Every week contents of journals and list of new books received within the week were sent out electronically, to Fellows and students of the Institute. The Library also provided topic-based alerts, related to thesis interest, to Students of the Institute.

Training for students
The Library organized a two-hour seminar for level 600 students where topics included the resources available in the library for research, the literature review, reference citation styles and provided a tour of the Library. On the 26th of August, the first year MPhil Students were taken to Balme Library where Mrs. Theodosia Adanu, the electronic librarian, introduced them to the University of Ghana Catalogue and the electronic resources available on the library webpage. Throughout the year, the Library provided one-on-one instruction to users, to help access the online catalogue efficiently.

Practical fieldwork
The Library hosted four students, who did their attachment in the Library, to familiarize themselves with the work environment, as part of the Diploma in Librarianship programme.

Foreign Students
The Library provided services to a number of foreigners and students. Some student groups were the Trent-in-Ghana (Canada), the School for International training (SIT), from the USA, Calvin off campus programme, and students from the Harvard University.

Collection
Library resources were significantly improved. The Library’s processed collection now stands at 25652.
MANHYIA ARCHIVES

OVERVIEW
The Manhyia Archives during the year under review vigorously pursued its basic function of accessioning, preserving and making accessible to the general public and researchers the records of Kumasi Traditional Council, the Asantehene’s courts, former Kumasi Clan Courts (Kontri, Benkum, Oyoko etc.).

Staff Matters
The staff strength of Manhyia Archives comprised an Archivist, Senior Accounts Clerk, a Search Room Assistant, an office Cleaner (Part-time), and one National Service person. 15 student interns from the Department of Information Studies, University of Ghana assisted during the period.

Visitors and Searchers
A total of two hundred and forty - three (243) visitors came to conduct search in the Archives during the period under review. Seventy-nine of the searchers requested and had their documents authenticated. Aside searchers, the Archives also received visitors who came on familiarisation tour of the archives.

PUBLICATIONS
During the year under review, the following were published:
• Supplementary list of Records on Kumasi Traditional Council
• List of Government Publications on Legislative Instruments (L. I), Ordinances/Acts of Parliament, Executive Instrument (E. I), Subsidiary Legislation (LN) and Gazettes (General) – work is still on-going
• List of Records on Asantehene’s Land Secretariat – work is on-going

GHANA DANCE ENSEMBLE
During the year under review, the Ghana Dance Ensemble continued to perform at the both University and state functions such as Matriculation, Congregation, University Lectures, opening and closing sessions of Parliament as well as during the official visits of the Presidents of Republics of Nigeria, La Côte D’Ivoire and Guinea-Bissau.

The Ensemble also organized workshops on drumming and dancing for both foreign and local students and lecturers. Two of the foreign groups were from the Calvin College at Gran Rapids, Michigan and the Trent University in Canada.

The group worked with a foreign visiting Professor Brian and Jill from the University of Alaska. Students and Faculty members from University of California Irvine as well as a collaborative workshop for three weeks. This resulted in a choreographic work entitled Transcending Turbulence, which was shown to the University of Ghana community.

REGIONAL INSTITUTE FOR POPULATION STUDIES

OVERVIEW
As Africa’s leading population sciences training program, RIPS continues to develop the best young minds in the field of population, and particularly in how that interfaces with health and environmental factors, including climate change. The institute broadens the scientific horizons and opportunities of its students, by ensuring that students’ development is embedded in a curriculum that integrates research and teaching. As a result, it is not uncommon to see RIPS postgraduate students, both at the M.Phil and PhD level, publishing their work in international journals. Other students, with a more applied focus, graduate into internship positions in international and national organizations, some of whom recruit directly from RIPS. RIPS students attend and are regularly present at international conferences overseas, and three (3) students per year spend a year at a US university on a sandwich program.

COURSES
RIPS’ academic programme and course structure remains at the cutting edge of demographic instruction, at the same time it provides a staple of applied areas (in education, gender, health, illness and disease, urbanization, poverty,
development, environment, etc.) as elective offerings. Consequently, the fine-tuned academic programme includes technical and substantive offerings that explicate the contribution of population sciences to global and regional development. The cornerstone of RIPS postgraduate training programme is a solid core of courses in research methodology, both quantitative and qualitative.

STUDENT NUMBERS
Twenty-six (26) students entered the MA Programme for the 2010/11 academic year, while eleven (11) students were registered for the MPhil. Three new Ph.D students brought the tally of doctoral students to (8). The total of forty-five students represents a growth of 45% above the student tally in 2009/10.

STAFFING
The breakdown of staff at RIPS is as follows:

- Senior Members (1 Professor, 1 Associate Professor, 3 Senior Lecturers, 1 Senior Research Fellow, 1 Assistant Registrar)
- Senior Staff
- Junior Staff

Faculty Research/Project Activities
- Video conferencing equipment for cross-institutional teaching and learning.
- Africa’s ‘neglected epidemic’: Developing a multidisciplinary research and intervention model for chronic disease.
- Barriers to condom use in Ghana
- Population training and research capacity for development (POPTRED)
- Research and Training Center Grant Renewal to Train Postgraduate Students in Population Studies at the University of Ghana (2010-5305). Hewlett Foundation Grant.
- Ghana Behaviour Change Support Project
- Ghana men’s health study
- Commercialization of Smallholder Farming in Ghana
- The Oxytocin Initiative: Exploring use of uterotonic substances at or around birth in three regions in Ghana
- Climate Change and Food security in Accra, Ghana
- Climate Change and Health in Accra, Ghana
- Population and food production in Ghana

PUBLICATIONS
F. N-A. Dodoo
2011 Internal Migration to Nairobi’s Slums: Linking Migrant Streams to Sexual Risk Behavior (with Meredith Greif, Georgia State University). Health and Place 17:86-93.

RESEARCH GRANTS/ACTIVITIES
2010-13 Principal Investigator: Research and Training Center Grant Renewal to Train Postgraduate Students in Population Studies at the University of Ghana (2010-5305). Hewlett Foundation Grant.
2009-2011 Principal Investigator: Research and Training Grant Renewal to Support RIPS students on Visiting Scholar Program Renewal at Penn State University (2009-4043). Hewlett Foundation Grant.

CONFERENCES/WORKSHOPS/SEMINARS

J. K. Anafri
• 2010b [With Owusu, A.Y.] “The making of a sexual being in Ghana: The state, religion and the influence of society as agents of sexual socialization”. Sexuality and Culture, ISSN:1095-5143, Journal no. 12119, Spring, US.

RESEARCH GRANTS/ACTIVITIES
• April 1 2010 to 31 December 2010 - Principal Investigator, Ghana Behaviour Change Support Project, funded by the USAID and in collaboration with Johns Hopkins University’s Bloomberg School of Public Health.
• October 2010 to September 2011 - Principal Investigator, Ghana Men’s Study; a collaborative study with the University of California, San Francisco and funded by the Department of Health and Human Services Centres for Disease Control and Prevention, USA
• April 2010 to March 2011 - A member of the research team of the Commercialization of Smallholder Farming in Ghana Study – as part of the activities of the Future Agricultures Consortium, which brings together colleagues in Ethiopia, Kenya, Malawi, Senegal, Burkina Faso, Tanzania and Ghana with fellow researchers from IDS Sussex, Overseas Development Institute, and SOAS, University of London in the UK. The aim is to study the conditions under which small farms successfully commercialise, and with what results.

CONFERENCES, WORKSHOPS, SEMINARS
14 to 15 February 2011 - Workshop of the Future Agricultures Consortium to present findings on the study of the commercialisation of smallholder farms.

S.O. Kwankye

RESEARCH GRANTS/ACTIVITIES
• The Oxytocin Initiative: Exploring use of uterotonic substances at or around birth in three regions in Ghana, 2010-2011, with funding from the Programme for Appropriate Technology in Health (PATH).
• Men’s Study in Ghana, funded by the Ghana AIDS Commission.
• Barriers to Condom Use Study in Ghana, funded by the Ghana AIDS Commission.

CONFERENCES, WORKSHOPS, SEMINARS
• The First Thematic Workshop for the AIRES SUD and CORUS II Projects held in Dar es Salaam, Tanzania, from 13th to 18th September 2010.
• Workshop on “Data Issues in Humanitarian Crisis Situations” in Dakar, Senegal, organised by the UNFPA from 20th to 22nd October 2010.
• Workshop on Data Collection on Most At Risk Populations (MARPs) in San Francisco, USA, organised by the University of California at San Francesco, USA, 3rd – 7th January, 2011.
• Kwankye, S.O. “An Examination of the Maternal Health-Seeking Behaviour of Vendors with no Fixed Location in Ghana”. Paper presented at the First Thematic Workshop for the AIRES SUD and CORUS II Projects held in Dar es Salaam, Tanzania from 13th to 18th September 2010.

S. N. A. CODJOE


RESEARCH GRANTS/ACTIVITIES

• Climate Change and Food security in Accra, Ghana
• Climate Change and Health in Accra, Ghana
• Population and food production in Ghana

CONFERENCES, WORKSHOPS, SEMINARS

• Participated in EDULINK POPTRCD Third Year Annual Meeting-Curriculum Workshop and Grant Writing at the School of Social Sciences, University of Southampton, UK, June 23-27 2011.
• Participated and made a presentation on the “Climate Change Adaptation Research and Training Capacity for Development Project” at the African Adaptation Research Centres Initiative, Inaugural workshop, June 18 – 21 2011, Best Western Hotel, Accra, Ghana.
• Participated and made a presentation “Population, agricultural extensification and intensification in the dry and derived savannah zones of Ghana” at the Population Association of America (PAA) Annual General Meeting, Section 802: Population and Land Use, March 31 - April 2 2011, Marriott Wardman Park, Washington DC, USA.
• Participated in Regional Development Briefing No. 4 organised by the ACP-EU Group on Climate Change, Land Acquisition and Food Security in West Africa: New Challenges, New Opportunities, 1-4 November 2010, Ouagadougou, Burkina Faso.
• Participated in a Participatory Action Research Workshop for Climate Change Studies organised by the Climate Change Adaptation in Africa (CCAA) Programme of the International Development Research Centre (IDRC), 20-25 September 2010, Best Western Hotel, Accra, Ghana.
• Participated and presented a paper on “Sexual and Reproductive Health Implications of Street Vending in Ghana”, at the Society and Health Conference, 13-17 September 2010, Dar es Salaam International Conference Centre, Dar es Salaam, Tanzania.

D. M. Badasu

RESEARCH GRANTS/ACTIVITIES

- Co-Principal Investigator on a research project titled: “The Oxytocin Initiative: “Exploring Use of Uterotonic Substances at or Around Birth in Three Regions (Western, Brong Ahafo and Northern) of Ghana”, funded by Bill and Belinda Gates, managed by the Programme for Appropriate Technology for Health (PATH) Ghana and supported by Johns Hopkins School of Public Health.
- Co-Principal Investigator on research on “Barriers to Condom Use in Ghana”, funded by Ghana AIDS Commission (GAC).

CONFERENCES, WORKSHOPS, SEMINARS

- Faculty of Social Science, University of Ghana 4th Annual Colloquium, under the theme “Interdisciplinary Research in Academia”, held at Noguchi Institute of Medical Research, University of Ghana, December 9-10, 2010.
- International seminar under the theme “In Her Name- Measuring the Gender Asset Gap in Ecuador, Ghana and India”. Organized by the Centre of Public Policy (CPP) at the Indian Institute of Management Studies, Bangalore (IIMB), University of Ghana, American University, Yale University, University of Florida and the Latin American Faculty of Social Sciences (FLACSO), Ecuador and held at Noguchi Institute of Medical Research, University of Ghana, January 5, 2011.
- International workshop organized by the International Association for Feminist Economics (IAFFE) under the theme: “Gender and International Migration Workshop”; March 11-12, 2011; Bilbao, Spain.

A. D. Aikins


RESEARCH GRANTS/ACTIVITIES

- Africa’s ‘neglected epidemic’: Developing a multidisciplinary research and intervention model for chronic disease.
- Video conferencing equipment for cross-institutional teaching and learning.

CONFERENCES, WORKSHOPS, SEMINARS

- Chronic disease prevention in Ghana: exploring the role of public health psychology. Invited Presentation. School of Public Health, University of Ghana, Legon. (30th September 2010)
- Representations of chronic diseases in Ghanaian and Cameroonian newspapers. Panel Presentation, Faculty of Social Studies Colloquium, Noguchi Memorial Institute for Medical Research, University of Ghana, Legon (10th December 2010)
- Psychology, Africa and African Studies. Panel Presentation, Faculty of Social Studies Colloquium, Noguchi Memorial Institute for Medical Research, University of Ghana, Legon. (10th December 2010)
INSTITUTE OF STATISTICAL, SOCIAL AND ECONOMIC RESEARCH

OVERVIEW
The 2010/2011 academic year for ISSER was just as remarkable as it was during the previous year in terms of changes in the administrative structure, research output, the renewal of the IDRC core grant and renovation of the Institute’s main building. In addition, the Institute has also admitted the third batch of Ph.D. students with the intake increasing to seven - more than double the previous year’s.

The number of research projects at ISSER increased significantly and so were the research outputs. With the growing number of research projects, the number of ISSER publications has also increased significantly. This was also acknowledged by the IDRC Think Thank and the Dean of the Faculty of Social Sciences. The total number of projects undertaken has also increased to 42 from 36 in the previous year. These were in the areas of both social and economic research as well as crosscutting issues. As a result of the increased activity, ISSER has seen an increase in the number of research publications leading to a number of promotions.

The boost to the IDRC core grant received in the previous years has become a reality as subsequent renewals are also effected promptly. The Think Tank Initiative, an activity of the International Development Research Council of Canada, the William and Flora Hewlett Foundation and the Bill and Melinda Gates Foundation constitute the main source of the core grant. ISSER will continue to utilize the grant in the three general areas of strengthening the Institute’s research capacity, enhancing organizational performance, and improving dissemination and advocacy.

At the beginning of the 2008-2009 academic year ISSER registered the first three students for its PhD programme in Development Studies in partnership with the Centre for Development Research (ZEF) at the University of Bonn, Germany with sponsorship from the German Academic Exchange Service (DAAD). To increase the level of cooperation of health research and exchange of experience among researchers from Ghana, Tanzania and Denmark another project (Health Insurance in Ghana and Tanzania) is training two more ISSER Principal Research Assistants who are likely to finish their Ph.D. degrees early next year. Yet a third project, (Youth and employment: the role of entrepreneurship in African economies (YEMP) is also training two more Ph.D. students in Development Studies with specialization in the area of entrepreneurship in African economies. Together, the Ph.D. Programmes at ISSR has enrolled 18 students by the end of the 2010/2011 academic year.

INSTITUTIONAL RESEARCH PROJECTS
Research projects at ISSER have two components, namely commissioned research and own research. In addition, ISSER provides significant consultancy and advocacy support to government agencies, development partners and the private sector. ISSER research outputs are generally expected to be driven by observed development problems and needs of Ghana and other developing countries. In essence, our research is policy driven.

Selected research projects undertaken at the Institute during the 2010-2011 academic year include the following: 
R3M Project with Guttmacher Institute

In an effort to ensure a proper implementation of the revised policy on abortion, a program called Reducing Maternal Mortality and Morbidity (R3M) was launched by the Ministry of Health in partnership with a consortium of international organizations in 2006. The aim of the R3M program was to increase access to comprehensive abortion care and family planning services in order to reduce unwanted pregnancy and health complications and deaths caused by unsafe abortions.
Project objectives
With support of some grant from the Allan Guttmacher Institute in New York, ISSER is doing an evaluation of the R3M projects in the original three regions (Greater Accra, Eastern and Ashanti) and a fourth region (Brong Ahafo) as a control study. This project will last for two years beginning January 2011 and ending in June 2012.

Project Coordinator & Client
Clement Ahiadeke; Allan Guttmacher Institute in New York

• Insurance Awareness Index
The project would make use of appropriate tools to construct an index for measuring the level of insurance awareness of targeted household/communities within the framework of KAP as spelled out in the project proposal.

Project objectives
The objective is to device an Index for Insurance Awareness

Project coordinators & Client
Dr Charles Ackah, Rev.Dr Adobea Owusu & Funding Agency- GIZ

• Northern Ghana Agriculture Survey Project For IFPRI (International Food Policy Research)
The Project seeks to provide information to support the enhancement of how crops are produced and marketed for Agricultural households.

Project objectives
The objective of the Project is to provide a baseline information for market intervention of crops

Project coordinators & Client
Dr Felix Asante, Dr Simon Bawakyillenuo, & IFPRI

• Reviewing Fertilizer Price Build Up for Possible Intervention by Government
The Ministry of Food and Agriculture (MOFA) in collaboration with AGRA has established new policy nodes and programs to boost agricultural production to ensure food security and poverty reduction. Among the policies is the Soil Health policy Node (under AGRA), which is implementing a project to promote enabling soil health policy environment in Ghana. For that reason, ISSER has been charged with the responsibility of reviewing fertilizer price build up for possible intervention by government.

Project objectives
The study aims to accomplish objective #4 of the soil health policy node; that is, to review fertilizer build up between port and farm gate (breadbasket region).
To identify areas in the fertilizer value chain that affects the build-up of fertilizer prices
To provide evidence for advocating governments’ intervention in minimizing price hikes.

Project coordinators & Client
Dr Felix Asante, Martha A. Awo & Alliance for Green Revolution in Africa (AGRA) The project is under the supervision of Soil Research Institute of the Council for Scientific and Industrial Research

• Multiple Indicator Cluster Survey

Brief Introduction
This project seeks to understand ‘life-chances’ (education, health and family situation) among pupils and students of JHS and SHS. In particular, the project seeks to know whether these life chances are different for pupils and students who have parents abroad than those for pupils and students who are living with their parents

Objectives
The current survey is intended to add to the wealth of data, and is designed primarily to collect a set of indicators within 5 high population density areas in Accra

Project Coordinator & Client
Dr. Ernest Nimfah Appiah & UNICEF

• Youth and Employment: The Role of Entrepreneurship In African Economics. (YEMP)
The project tackles entrepreneurship and employment issues that are highly relevant to policy makers and development partners in sub-Saharan Africa. It analyses the role of entrepreneurship in building the youth.

Project objective
The project aims at building capacity by producing at least two (2) PhDs in each Participating African country in areas of entrepreneurship and youth employment by the end of the project period.

Project Coordinator & Client
Dr George Owusu, DANIDA/Danish Research council
• **Land Titling and Financial Literacy Evaluation**

This study seeks to evaluate the pilot land titling exercise being undertaken by MiDA in the Awutu Senya District in the Central Region of Ghana

**Project objective**
The objective of the project is to pilot land titling exercise being undertaken by MiDA in the Awutu Senya District in the Central Region of Ghana

**Project Coordinators & Client**

• **Urban Africa**
The study critically scrutinizes the assumption that migration from rural areas to cities is one of the major development challenges faced by national and local governments, in their efforts to stimulate economic growth and curb poverty

**Project objectives**
The objective is to explore the connections between rural transformation, urbanization processes and urban growth and to analyze how these may contribute to an understanding of the scale, nature and location of poverty in sub-Saharan Africa.

**Project Coordinator & Client**
Dr George Owusu; EU Commission and led by the Department of Geography

• **Re-Framing The ‘Young People-Agriculture’ Nexus – Ghana Study**
The project explores evidence of changes in the agric-food sector, and the implications of these changes for employment for young people.

**Project objectives**
The objective of the project is to explore the evidence of changes in the agric-food sector, and the implications of these changes for employment for the youth.

**Project Coordinator & Client**
Dr Nana Akua Anyidoho; Future Agricultures Consortium

• **Modeling The Career Choices Of University Of Ghana Students**
The study seeks to understand the content and factors affecting students’ career preferences and aspirations

**Project objectives**
To understand the content and factors affecting students’ career preferences and aspirations

**Project Coordinator & Client**
Dr Nana Akua Anyidoho; University of Ghana’s Office for Research, Innovation and Development.

• **Ghana’s Social Development Outlook**
The report will cover the main areas of social development and each chapter will have a short introductory frame in which the importance of the sector to the achievement of social development and its linkages with other sectors is explained.

**Project objectives**
The overall purpose of this planned publication is to raise the profile of social development issues in Ghana in order to encourage policy makers to put social development on the same footing as economic development issues

**Project Coordinator & Client**
Prof Dzodzi Tsikata & IDRC TTI Funds

• **Promoting Gender Equity In Ghana’s Land Tenure Systems For Sustainable Livelihoods- A Research And Policy Advocacy Project**
The main objective is to contribute to the process of a promoting gender equitable land tenure system by consolidating and synthesizing existing literature; reanalyzing survey data and disseminating findings in selected research communities among key constituencies and policy institutions.

**Project objectives**
a. Synthesize and Consolidate Existing Literature on Women’s Land Rights, identifying existing agreements, disagreements and gaps in knowledge.
b. Ascertain the current state of women’s land rights and identify existing gender inequalities hampering women’s access to and control of land for production and housing
c. Examine the elements of disagreements about women’s land rights.

d. Identify the factors hampering the promotion of gender equity in the land tenure system and the measures needed to address them.

**Project Coordinators & Clients**
Dzodzi Tsikata, Isaac Osei-Akoto & Action-Aid International, Ghana

- **Socially Inclusive Health Care Financing In West Africa And India**
  The project seeks to:
  - Contribute to the international debate and knowledge base on health financing in LMIC
  - Increase the capacity in health systems research of LMIC partners
  - Develop and disseminate widely applicable research methods for studying social exclusion in health systems in LMIC
  - Develop and disseminate widely applicable policy tools for increasing social inclusion and avoiding social exclusion in health systems in LMIC

**Project Objectives**
The main research questions to be addressed in the proposed research are

- What are the reasons for the limited success of health financing arrangements which aim to provide free or “affordable” access to care among the poor and informal sector in LMIC?
- Does social exclusion prevent the development of sustainable and equitable health care financing in LMIC and if so, by what means does this occur?
- What is the potential of different health financing arrangements for increasing social inclusion?
- Do some health financing arrangements which target the poor

**Project Coordinator(s)**
Dr. Felix A. Asante

- **Youth Save Project**
The Youth Save project is a multi-country learning project on youth savings.

**Project Objectives**
Two decades of experimentation and research on asset building suggest that linking young people with formal sector savings has the potential to affect youth development outcomes along several dimensions – not only economic but also psychosocial, educational, and health-related. This project is an attempt to duplicate this.

**Project Coordinator & Client**
Dr. Isaac Osei-Akoto; University of Washington at St Louis, USA

A sample of children in the project
Note that the 2009/2010 academic year saw a reduction in student intake from 160 to 142 as a result of structural changes in the programme which now runs all diploma courses instead of the certificate and diploma courses run previously.

**Short Courses**

Three short courses were organized during the long vacation period (May-July) during the year under review. Participation was very high compared to the previous year.

- Research Methodology and Report Writing – (32 Vs 21)
- Data Management and Analysis – (46 vs 22)
- Project Cycle Management – (20 vs 12)

**STAFFING**

- Academic Staff 19
- Non-Academic Staff 12
- Junior Staff 5
- ISSER Employed Staff 5
- Contract Appointments 5
- Associate Staff - IGC& UNU-WIDER 5

Out of the eight Principal Research Assistants enrolled in PhD programmes in the USA and Europe only one has returned and applied to the University to become a Research Fellow at ISSER Mrs. Patricia Aidam.

**PUBLICATIONS**

Publications from individual senior members for the academic year are as follows:

**Clement Ahiadeke**

**Travels and Seminars**

Resource mobilization workshop, Think Tank Initiative, Accra, 5-7 October 2011 Organized by IDRC for IDRC grantees to explore resource situation, to determine program areas in need of funding, and to identify funding gaps and resource needs.

Africa Growth Initiative at the Brookings Institution Partner Think Tank Meeting. September 12-13, 2011, Ole Sereni Hotel, Nairobi, Kenya.

International Dialogue on Exploring a new global partnership for the LDCs in the context of the UN LDC IV 124-26 November 2010, Dhaka, Sheraton Hotel, Bangladesh
**Publications**

- **Population Density and Fertility in Farm Households: A Study of the Millennium Development Authority Zones in Ghana.** African Journal of Food Sciences
- **Psychosocial Processes and Sexual Initiation Among Ghanaian Youth.** Health Education & Behavior XX(X)1-8, Sage

**Felix Ankomah Asante**

WB/IFPRI (2010)


**Augustin. K. Fosu**

*Journal Articles*


*Book Chapters*


**Dr. Nana Akua Anyidoho-**


**Dr. George Owusu**

*Journal Article*

*Technical Papers*

Conference/Seminar/Workshop Presentations


William F. Steel
Journal article

- “Effects of Mobile Phone Use on Artisanal Fishing Market Efficiency and Livelihoods in Ghana” The Electronic Journal of Information Systems in Developing Countries, Vol. 47, No. 6 (August 2011).
  Co-authors: Mahamadu Salia, N.N.N Nsowah-Nuamah and William F. Steel

Dzodzi Tsikata
Edited book and Guest Editor of Journal Issue

- 2010- Dzodzi Tsikata and Pamela Golah (editors), Land Tenure, Gender and Globalisation: Research and Analysis from Africa, Asia and Latin America (Zubaan and International Development Research Centre (IDRC), Ottawa, Cairo, Dakar, Montevideo, Nairobi, New Delhi and Singapore), ISBN 978-155250-463-5, pp 1-299.

Chapters in Edited Book

- 2010 Dzodzi Tsikata, “Introduction” in Dzodzi Tsikata and Pamela Golah (eds.), Land Tenure, Gender and Globalisation: Research and Analysis from Africa, Asia and Latin America (see above), pp. 1-34.

Book Review


Conferences

- Gender and Access to Justice Workshop, University of Witwatersrand, Johannesburg, South Africa, 30th November to 2nd December 2009
- Speaker, IDRC organised side event on the theme, “Gendered Terrain: Women’s Rights and Access to Land” at .the 54th session of the UN Commission on the Status of Women, March 10, 2010, New York, USA
- Speaker, IDRC organised commemoration of International Women’s Day 9th March, Ottawa, Canada - Topic: and Tenure, Gender, and Globalization: Research and Analysis from Africa, Asia and Latin America

Dr. Adobea Yaa Owusu, ISSER UG ANNUAL REPORT
Publications


Research/Projects

• Caregivers of Children with HIV/AIDS in Ghana - PI, personal funding.
  Sexuality in West Africa (Co-researcher; with Prof. JK Anarfi). Funded by the Ford Foundation.

• Edulink Project on Pro Micro-Health Insurance in Africa. In partnership with the Universities of Botswana, Cologne (Germany) and Malawi. Principal investigator (PI) for Ghana country team.

• Project on Health Insurance in Developing Countries, with Emphasis on Ghana and Tanzania. With Aarhus University, Denmark. (Co-Researcher; with Dr. Felix Asante).

• Buruli Ulcer. (Co-researcher, with Clement Adamba, ISSER MPhil student.)

• Evaluation of Assemblies of God (Ghana) Relief and Development Services (AGREDS). Coordinator; with Prof. JK Anarfi.

• Assets holding and health of children. PI.

Isaac Osei-Akoto, (PhD)

Publications


Research Activities

• Impact Assessment of the Millennium Development Project
• Baseline Survey: Impact Assessment of Livelihood Empowerment Against Poverty
• Baseline Survey: ISSER-YALE Socio-Economic Panel Survey
• The Economic Burden of Malaria in Ghana – A Case of Children Under Five Years

Peter Quartey

Chapters in Books


• Quartey P., (2009), International Migration in Ghana : National Profile for Strategic Policy Development, International Organization for Migration (IOM), Geneva, Switzerland

Journal Articles

• Quartey P (2010), Price Stability and the Growth Maximizing Rate of Inflation for Ghana, Modern Economy, Vol. 1(3)


• Johnson A., and Quartey P (2009), Foreign Aid and Human Development Indicators in sub-Saharan Africa, Journal of Developing Societies, Vol. 25 (1)

Research Projects

Evaluation of the Implementation of the Paris Declaration (Phase II) 2010
ISSER/Brookings Agricultural Transformation Projects
Agricultural Financing and Credit Constraints: the role of middlemen in marketing and credit outcomes in Ghana
Ernest N Nimfah Appiah

Projects

- **Transnational Child-raising arrangements between Ghana and the Netherlands**
  
  This project seeks to understand ‘life-chances’ (education, health and family situation) among pupils and students of JHS and SHS. In particular, the project seeks to know whether these life chances are different for pupils and students who have parents abroad than those for pupils and students who are living with their parents. The goal is to understand what some of the effects are of international migration.

  **Duration**
  
  September 2009 to August 2011

  **Location of Project**
  
  Maastricht University, Netherlands, and the Centre for Migration Studies, University of Ghana

- **Multiple Indicator Cluster Survey of Accra**
  
  This project seeks understand ‘life-chances’ (education, health and family situation) among pupils and students of JHS and SHS. In particular, the project seeks to know whether these life chances are different for pupils and students who have parents abroad than those for pupils and students who are living with their parents. The goal is to understand what some of the effects are of international migration.

  **Duration**
  
  July 2010 to April 2011

List of Projects

- Multiple Indicator Cluster Survey of Accra.
- Transnational Child-raising arrangements between Ghana and the Netherlands

List of Publications

None during year under review

Nana Akua Anyidoho

Publications:


Research Projects:

- Co-Investigator – Human Rights, Power and Civic Action: Comparative Analyses of Human Rights-Based Approaches and Civic Struggle in Development Contexts [ISSER & University of Leeds, funded by Norwegian Research Council]
- Co-Investigator - Informalizing the Formal and Formalizing the Informal: Analysing Change in Women’s Work in Domestic Work and the Banking Sector in Ghana [University of Ghana, funded by IDRC]
- Co-Investigator - Pathways of Women’s Empowerment [CEGENSA, funded by DFID]

Ellen Bortei-Doku Aryeetey

Conferences, Special Seminars/Workshops

- Chronic Poverty Research Centre (CPRC) Social Protection Workshop in Entebbe Uganda, Presentation on – The Future of Social Protection in Africa
- Global Development Network Conference in Kuwait, Participant (30th January to 2nd February 2009)
- Split Workshop, Marina Hotel, Dodowa (16th- 17th April 2009), Resource Person
- CSPS Workshop on Supporting Households to Achieve Quality Basic Education, ISSER Seminar Room, UG (15th April 2009), Presentation on School Feeding Programme
- Send Foundation Book Launch at STEPRI, Accra. Presentation On School Feeding Programme (5th May 2009)
- Chronic Poverty Research Workshop, ISSER UG, (13th May 2009)

Robert Darko Osei

Technical Papers.


Conferences/Workshops attended
• 2nd – 3rd October, 2009: Technical Committee Meeting of the Assets and Market Access Collaborative Research Support Program (AMA CRSP) at MIT, in Boston, USA.
• 7th – 8th May, 2009: Attended a workshop organized by the Global Development Network in Cape Town, South Africa.
• 30th March to 1st April, 2009: UNCTAD Workshop on ‘FDI in tourism, the development Dimension – West African experiences’, in Geneva, Switzerland. I presented a paper titled ‘The Development Dimensions of Tourism FDI in Ghana.

Name of project: Impact of Trade Policy Reform on Gender and Poverty in Ghana
Client: International Development Research Centre (IDRC), Canada
Main Project Features: The projects ought to assess the impact of trade and agriculture liberalization on firms and households in Ghana over the last 20 years
Position Held: Principal Investigator and Project co-coordinator

Name of project: Developing an Effective Competition Regime in Ghana
Client: Consumer Unity & Trust Society (CUTS International), India
Main Project Features: The project sought to develop the capacity of multiple stakeholders in the country to bring the debate on the need for an effective competition regime into the wider public domain. Position Held: Lead Researcher

Name of Assignment: State-Business Relations and Firm Performance in Ghana
Client: Improving Institutions for Pro-poor Growth, University of Manchester
Main Project Features: Th project sought outline properly the nature of informal political interactions between the state and business, and how the institutions governing these have evolved overtime, and the impact of these on the character of the state Position Held: Lead Researcher

Publications
Ackah, C.


(with Aryeetey, E., Aryee, J., and Clottey, E.).

Simon Bawakyillenuo
• Bawakyillenuo, S. 2011. ‘Shifting the policy paradigm of solar PV and other Renewable energy technologies (RETs) supply in rural Ghana’.

OUTREACH PROGRAMMES
ISSER has been conducting impact assessment studies of the Millennium Challenge Account (MCA)-Ghana programme. One of the studies, the Farmer Based Organization (FBO) survey has been examining the extent to which training programmes organized for farmers in the Millennium Development Authority (MiDA) districts have helped to improve the farmers’ productivity levels. The project coordinators and the research assistants conducted a dissemination tour of the study communities in October to present the evaluation finings.
The institute organized an international conference on placing health at the center of development from 25-27 October 2011. The conference covered eight thematic areas including health policies and systems; the social and economic burden of disease; access to health care and quality of care; disease prevention and public health interventions; social relations, life-cycle and health; occupational and environmental; health and disability; and financing health. Efforts are underway to publish policy documents, a book, conference proceeding and a number of technical papers out of the conference. (This project was financed wholly from the TTI grant).

The State of the Ghanaian Economy Report was launched in September, 2011. Although the report came out late, it was well attended and enjoyed a large patronage. Being the 20th anniversary issue, a whole chapter was devoted to trends and patterns in the economic performance of governments in the past 20 years. An area that generated a lively debate was whether or not single digit inflation meant anything at all to the ordinary man in the street.

LEGON CENTRE FOR INTERNATIONAL AFFAIRS AND DIPLOMACY

OVERVIEW
The Centre which was established in 1989 to, among other things, train highly qualified and specialized human resource for Ghana’s Foreign Service and other allied services like the Military and Police has over the years developed innovative academic and research programmes to address new developments in the global market place.

The Centre during the year under review continued to attract graduate research and coursework students from varying educational and professional backgrounds, and other students from Africa and North America. Research fellows used various platforms to contribute to public discourse on developments on the African continent and the world stage.

The Centre has completed reviewing its current MA programme to conform to the contemporary dynamics and the new developments in the global market place. As part of the revision, the Centre would offer three MA programmes in: International Relations and Diplomacy; International Finance and Trade; and Peace and Conflict Studies when the proposals are approved by the Academic Board.

The University Council approved the change in the name of the Centre from Legon Centre for International Affairs (LECIA) to Legon Centre for International Affairs and Diplomacy (LECIAD) during the year under review. The change of name was to conform to international practice and to reflect the scope of courses offered at the Centre.

COURSES
The Centre continued to teach its approved courses at the graduate level. In addition, Research Fellows taught courses at the Ghana Armed Forces and Staff College’s MA programme in International Affairs. The breakdown of the student numbers was as follows: 39 Students were admitted to the MA International Relations programme during the 2010/2011 academic year. Three out of the total number were foreign students from Nigeria. A Canadian student from Carleton University, Ottawa-Canada, spent a semester in the Centre.

13 Students were admitted to the MA programme at GAFCSC. Four out of the students were foreign students from South Africa; Rwanda; and Nigeria.
STAFFING POSITION
The staffing position of the Centre during the year under review was nine Research Fellows, two Diplomats in Residence and nine other part-timers drawn from the Faculty of Law, Business School, Department of Political Science, and the Department of Modern languages. Mr. Philip Attuquayefio, Ms. Juliana Appiah and Mrs. Afua Yakohene were on study leave for their Ph. D programmes.

Mr. F.T. Kisseh assumed duty at the Centre as an Assistant Registrar during the year under review. He replaced Mr. T. Ahuno who was transferred to the School of Nursing. Mrs Mary Mavis Osae, a Senior Administrative Assistant also assumed duty in the office of the Director. She took over from Ms Faustina Kwami who was transferred to the University Basic Schools.

The staff list for the period under review was as follows:
Academic Staff  20
Non-Academic Staff  12

CONFERENCES/WORKSHOPS/SEMINARS
The Centre in collaboration with Friedrich Ebert Stiftung (FES) and the Ministry of Foreign Affairs and Regional Integration organized a Conference on 8-10 November 2010 on the theme: Foreign Policy in Ghana’s Emerging Oil Economy.

The Conference attracted broad participation from the Centre’s stakeholders and the general public. The opening ceremony was chaired by Professor, Ernest Aryeetey, the Vice-Chancellor of the University of Ghana. Some of the papers delivered during the conference were:
• Principles, Issues and Actors involved in the formulation of Ghana’s Foreign Policy
  - Prof. K. Boafo-Arthur
• Ghana’s Relations with her Neighbours and her Role in the Care of National Integration
  - Amb. V. Gbeho; Delivered on his behalf by Dr. Abdul Fatal
• Transnational Threats to Ghana’s Emerging oil Economy
  - Col. Gbevlo-Lartey – National Security Coordinator
• The Role of Development Partners Ghana’s Emerging Oil Economy
  - Mr. Kofi Bentil, IMANI GHANA

The proceedings of the conference will be published shortly.

The LECIAD Wednesday Seminar series which seeks to bring Practitioners/Professionals in the field of International Relations to interact with our students continued during the year under review. Below are some of the distinguished guest at the seminars and the topics they discussed.

Mr. William Awinado Kanyirige(Deputy Permanent Representative of Ghana’s Mission to the UN) – Managing Regional Integration in Africa

Mr. Martin E. Benjamin C.E.O. Millennium Development Authority – How far has Ghana gone with the implementation of the 5year Compact under the Millennium Challenge Account

Dr. S. Nii-Noi Ashong Dean, Public Programmes GIMPA – Engaging the World Bank and the IMF: Ghana’s Experience

Mrs. Martha Pobee Director, Information and Public Affairs, Ministry of Foreign Affairs and Regional Integration – Gender Issues in Ghana’s Diplomatic Service

Mr. Kwesi Nyantakyi,  President, Ghana Football Association – Football Administration in Africa

Ms. Elizabeth Adjei, Former Director, Ghana Immigration Service – International Migrations and its Ramifications

Mrs. Agnes Aggrey-Orleans – Protocol, Appearance and Comportment in Diplomacy

Mr. Kofi Yamoah, CEO, Ghana Stock Exchange – The importance of Ghana Stock Exchange in a middle income Ghana’s Economy
Visitors to the Centre
Dignitaries that visited the Centre during the year under review included:
• H.E. Mr. Baah-Doudu (Ministry of Foreign Affairs and Regional Integration)
• H.E. Leslie Kojo Christian (Chief Director, Ministry of Foreign Affairs and Regional Integration)

Benefactors
Alumni of the Centre donated books to the Library. The following books were received during the year under review:
• H.E. William A. Awinado-Kanyirige (Deputy Permanent Representative of Ghana’s Mission to the UN)
• Mr. Samuel Owusu-Antwi (M. Phil Student - 2008/2009)
  - Pevehouse J.C. and Goldstein – Readings in International Relations. Harlow: Longman. 2008
• Ms. Tenewa Asamoah (MA Student - 2007/2008)

The American Corner, LECIAD
The American Corner is a part of the Public Affairs Section of the US Embassy, Accra. The main objective of the establishment of the Corner is to provide information on the United States and promote its culture, history, Government, Education, Society and Values. However, other world issues of importance for development are also highly promoted. The Corner was established at the Legon Centre for International Affairs and Diplomacy (LECIAD) to facilitate the learning of America’s Foreign Policy at the Centre, but it was expanded to cater for the needs of students who visit the US Embassy in search of materials and assistance in studying in the United States.

The American Corner, LECIAD was officially opened on October 15, 2010 by the Vice Chancellor of the University of Ghana, Professor Ernest Aryeetey together with the Deputy Ambassador of the US Embassy, Accra, Ms Julie Furuta-Toy.

The Corner is well equipped with Books, journals, periodicals, Magazines, Reference Materials, Internet facility and comfortable seating arrangements.

Since the official opening of the American Corner, a lot of activities have been held at the Corner. The Corner has so far hosted about 40 different programmes, like the Monthly Book discussions, Colloquium Series, Seminars on various topic of importance such women’s empowerment.

The Corner in its program lineup, organized a seminar on Education in Ghana and the Guest Speaker was Dr. Patrick Awuah of Ashesi University.

At one of our Colloquium sessions, on Women’s Empowerment: The 21st Century Women Leaders, Honorable Samia Nkrumah, Honorable Gifty Kusi, Honorable Catherine Afeku and three other female representatives from Parliament attended. The Corner also organised a special Seminar session on Effective Library Management for the Ghana Library Association, which brought together Librarians from all over the country.

The Corner receives about 500 to 800 visitors a month and this number goes up around examination time. Programs are organized for prospective students who wish to study abroad. An educational advisor takes them through the numerous stages till they leave Ghana.
Several other programs have been organized for graduate students and faculty on writing dissertations and proposals for grants. The American Corner also host programmes tailored for specific groups or audience. An example is the School for the Deaf and the Physically Challenged.

The American Corner is opened to all members of the public. The Corner serves as a major resource information centre for the public.

PUBLICATIONS

**Amb. D.K. Osei**

**Dr. Vladimir Antwi-Danso**
- “German Aid Reforms: Implications for Developing Countries”, in D+C No. 04 2010, Volume 51, April 2010
- “The Open Sore of a Continent: Ivory Coast in Turmoil”, in Development and Cooperation (D+C), April 2011, Frankfurt, Germany, p 175

**Dr. B.Y.D. Gebe**

**Dr. Ken E. Ahorsu**

CONFERENCES AND WORKSHOPS ATTENDED

**Dr. Linda Darkwa**
- Beyond Abuja: Enhancing Security in West Africa Through Operationalizing The ECOWAS Convention on Small Arms In West Africa: Seminar Delivered at the Centre Of African Studies, University Of Copenhagen, 10th March 2011

**Dr. B.Y.D. Gebe**
Amb. D. K. Osei

- Member of Two-Member Delegation to Negotiate Pre-Election Accord for Cote D’ivoire. (Abidjan – February, 2010)
- Facilitator – Conference to Mitigate Violence in the 2011 Elections in Liberia, Monrovia (December, 2010)
- Facilitator – Africa Regional Diplomacy Training Course - KAIPTC Presentations On:
  A) A Brief History Of Diplomacy
  B) Public Diplomacy, The Media And Diplomatic Communication, Speech Writing (Accra – August, 2011)

Dr. Vladimir Antwi-Danso

- The Survival of Multi-Party Democracy and Politics of Accommodation and Tolerance, IEA, Akosombo Workshop on Multi-party Democracy October 2, 2010
- Media Freedoms, Free Speech, and Responsible Expression in a Multi-Party Democracy, NCCE Workshop for Media Practitioners, Accra, November 25, 2010
- Overview of Gender in West Africa – An Anglophone Perspective, A Gender Strategy Development Session on Strengthening the Capacity of the ECOWAS Parliament to Prevent and Manage Conflict, Dakar, Senegal, April 7-9, 2010
- Knowledge: A Catalyst for Customs Excellence, Takoradi, January 25, 2011
- Youth Employment, Governance and Democracy in Africa: The Role of the Trade Unions, Khartoum, Sudan, 9-13 May, 2011 – ILO-ETUF-OATUU Conference on Youth Unemployment
- The African Union: Interrogating Africa’s Search for Integration, Lecture at Johns Hopkins University, Baltimore, MD, USA (Oct. 12, 2011)

Dr. Ken E. Ahorsu

- Expert Workshop on “Training for the Protection of Civilians in Africa,” at the Austrian Study Centre for Peace and Conflict Resolution (ASPR), Stadtschlaining/Austria, October 2010.
SCHOOL OF COMMUNICATION STUDIES

OVERVIEW
The School of Communication Studies (SCS) was established in 1972 as the Institute of Journalism and Communication with three main objectives:

- to improve the practice and understanding of journalism and mass communication;
- to add to knowledge through research; and
- to serve both practitioners in mass communication and the public who rely on the media.

In 1974 the name of School was changed to the School of Journalism and Mass Communication. In 1985, it became known as the School of Communication Studies to reflect a wide variety of media-related courses that had been introduced into the School’s curriculum.

Since its inception, the School has graduated more than a thousand students with Graduate Diploma, Master of Arts (M.A) and Master of Philosophy (M.Phil) degrees in Communication Studies.

Graduates of the School have made important contributions to development at national and international levels through their professional expertise as Journalists, Public Relations Specialists, Advertisers, Researchers, Development Communication Planners and Specialists, Academics and Practitioners in various other media and communication endeavours. SCS alumni are found in all important areas of national life; government, public, military, policy and other state institutions; private and non-governmental organizations. Some have also made their mark in UN agencies and programmes as well as, other reputable international organisations.

COURSES/SERVICES OFFERED
In consonance with its mandate, the School of Communication Studies offers a 15-month M.A. in Communication Studies, M.A (Sandwich) in Communication Studies, and a two-year M.Phil. in Communication Studies programmes. The School’s M.A. degree programmes have both theoretical and profession-based course contents. From August 2012, the School will commence a PhD in Communication Studies programme to deepen understanding in the field and to cater to the needs of the job market.

STUDENT NUMBERS
During the year under review, the School admitted 43 students, comprising:-

M.A (Regular) Students - 20
M.Phil Students - 5
M.A Sandwich - 18

STAFFING POSITION
The School’s staff strength was at its lowest since its inception and posed the greatest challenge during the year under review. Two of its full-time lecturers had been on sabbatical and study leave since August 1, 2010. It was managed by:-

Academic Staff
- Full-time Lecturers - 2
- Post-Retirement Contract - 1
- Assistant Lecturers - 1
- Adjunct/Part-time Lecturers - 8

Supporting Staff
- Senior Staff - 9
- Junior Staff - 7

PUBLICATIONS/PAPERS PRESENTED BY STAFF
Dr. Margaret I. Amoakohene
• Amoakohene, M.I. (2010). Sustainable Development: The Role of the Media. A content analytical study undertaken for the Ministry of Environment, Science and Technology (MEST) and presented at a Ghana Environmental Conventions Coordinating Authority (GECCA) Capacity Building Workshop for the Media

FORTHCOMING PUBLICATIONS:
Dr. Margaret I. Amoakohene

Ms. Abena Animwaa Yeboah
• Improving female source visibility in the news: does the work of the ‘enterprising’ female journalist matter? Ghana Social Science Journal
• Reporting women: do female journalists have a gender agenda? Media and gender in Africa theme issue of the African Communication Research Journal
• Beyond unequal visibilities: are women treated differently from men in the news? media and gender in Africa theme issue of the African Communication Research Journal

RESEARCH PROJECTS/ACTIVITIES
Dr. Margaret I. Amoakohene
• Amoakohene, M.I. (2010). Profile of Rural Radio Stations in Ghana. A Qualitative Study Conducted for the Ghana Media Standards Improvement Project (GMSIP), a Ghana Journalists Association/Media Foundation for West Africa Project supported by Danida

Ms. Abena Animwaa Yeboah
• Gender and Women’s Studies in Ghana (with Prof. Akosua Adomako-Ampofo and Prof. Dzodzi Tsikata). A chapter for publication in the proposed Faculty of Social Studies Reader

CONFERENCES/WORKSHOPS/SEMINARS
Dr. Margaret I. Amoakohene
• Media Foundation for West Africa (MFWA) Workshop on “Enhancing the Capacity of Political Parties for Peaceful Elections”, June 1–3, 2011 at the Krystal Oceanview Hotel, Mamba Point, Monrovia, Liberia.
• Workshop organized by the International Institute for Journalism (IIJ) of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) on the theme: “Networking Partners Meeting” held in Berlin, Germany from July 04 to 08, 2011.

Ms. Abena Animwaa Yeboah
• Faculty of Social Studies Colloquium (Nov. 2010)

Ms. Sarah Akrofi-Quarcoo
• Conference on the Global report on the Status of Women in Media: March 2011 in Washington DC; Paper was presented on “Status of Women in Broadcast Media in Ghana”
• Training Workshop for Radio Netherlands Training Centre (RNTC) Alumnae in Africa (May- June, 2011) on the “Covering Sports and Development- Getting the Gender Balance Right”. Paper was presented on “Representation of Women in Sport “.
• Training workshop on children and broadcast production for selected community radio broadcasters in the North Tongu District on November 2011. Paper was presented on “Children’s Participation in Broadcast Production”.

VISITORS TO THE SCHOOL
During the year under review, the School received a Fulbright Scholar from the United States of America, Dr. Sharon Stringer from Lock Haven University of Pennsylvania, who taught at the School for one semester.
BENEFACTORS/BENEFACTION

• Dr. Sharon Stringer donated some books to the School during the year under review.
• Prof. Leslie Steeves of the University of Oregon also donated some books to the School.

SCHOOL OF GRADUATE STUDIES

OVERVIEW

Established initially in 1962 as the Graduate Studies Centre, the School of Graduate Studies is responsible for coordinating and regulating the delivery of all postgraduate programmes in the University. It also serves as the repository for all records on graduate students. The School is presently located at Frederick Marfo Memorial Building, a donation from Dr. Steven Kwadwo Amoah-Marfo, an alumnus of the University, in memory of his late father Mr. Frederick Kojo Fordjour Marfo.

Under the direction of the Board of Graduate Studies, the School’s mandate comprises:
• Promoting the development, diversification and effective delivery of postgraduate programmes to address emerging national issues.
• Accreditation of all academic staff for teaching, supervising and examining postgraduate research work to maintain high standards and ensure high quality graduate programme output.

The specific functions of the School include admissions and registration of postgraduate students, approval of postgraduate programmes, co-ordinating the examination of dissertations and theses, and approval of results for graduating students.

The School also handles postgraduate student welfare matters such as assisting with the administration of Government of Ghana bursaries and the allocation of residential facilities to postgraduate students. Also located in the School are: a 50-sitter computer laboratory, wireless internet connectivity for use by postgraduate students, and a Conference Room for meetings and workshops.

The Board of Graduate Studies has two sub-committees, namely, the Graduate Programmes Development and Admissions Committee and the Graduate Examinations Committee, which regulate and implement the School’s mandate.

The composition of the Board of Graduate Studies, which is broken into the two Committees, is as follows:
• Dean, School of Graduate Studies (Chair)
• Vice-Dean, School of Graduate Studies
• Two members of Professorial rank appointed by the Academic Board
• Two members of Professorial rank appointed by each Faculty
• Two members of Professorial rank appointed by the College of Agriculture and Consumer Sciences
• Four members of Professorial rank appointed by the College of Health Sciences
• Up to two members co-opted from under-represented units of the university running post-graduate programmes
• Two postgraduate student representatives, each from the Masters and PhD levels

STAFFING

The School is made up of the Office of the Dean, Admissions Unit, Thesis Unit, and Accounts Unit. Staffing position of the School during the 2010/2011 academic year was as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Members</td>
<td>5</td>
</tr>
<tr>
<td>Senior Staff</td>
<td>8</td>
</tr>
<tr>
<td>Junior Staff</td>
<td>7</td>
</tr>
</tbody>
</table>

There were six (6) national service personnel at the School in the 2010/2011 academic year.

ACADEMIC PROGRAMMES

The School coordinated postgraduate programmes in the Arts, Social Sciences, Business, Natural Sciences, Engineering Sciences, Agricultural and Consumer Sciences, Health Sciences, and Nuclear and Allied Sciences disciplines. The programmes co-ordinated included Master of Arts (MA), Master of Science (MSc), Master of Public Health (MPH),
The School also co-ordinated postgraduate programmes for the University’s affiliate institutions.

**STUDENT NUMBERS**
The total number of graduate students as at the 2010/2011 academic year was 5,537 with 66.3 percent being continuing students and 33.7 percent being fresh students. The School received a total of 3,541 applications, out of which 2,162 were offered admission. A total of 1,865 applicants took up the offer of admission. This comprises 703 females and 1162 males representing 37.7 percent and 62.3 percent respectively. The breakdown of fresh and continuing students by faculty and number of registered postgraduate students by gender in 2010/2011 was as follows:

**WORKSHOPS/SEMINARS**
Under the “Enhancing University of Ghana’s Capacity to deliver Post-graduate Research and Training” project, sponsored by the Carnegie Corporation of New York, the School of Graduate Studies organized a workshop for academic staff on 11th March, 2010 on ‘Thesis Supervision, and Examination’. Another workshop was held for academic staff in July 2010 on thesis examination and related issues including the introduction of oral examinations for M.Phil students. Under the same project, the School organized workshops in February and March 2011 for second year research graduate students aimed at enhancing their thesis writing skills. In total, 162 students comprising 109 science students and 53 humanities students participated in the workshop. This was followed by two more workshops in May and June 2011 for first year MPhil students and PhD students on the theme: ‘Planning and Managing Graduate Research’. A total of 150 students comprising 75 science students and 75 humanities students participated in this workshop.

**CENTRE FOR MIGRATION STUDIES**

**OVERVIEW**
The Centre for Migration Studies (CMS) was established in November 2006 to undertake research, teaching and training, capacity building, policy assessment, development and dissemination in the area of migration.

**COURSES/SERVICES OFFERED**
Currently, the Centre runs courses in the following areas.

MA (Migration Studies)
M. Phil (Migration Studies)
Ph.D. (Migration Studies)

**STUDENT NUMBERS-GRADUATES**

<table>
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**STAFFING POSITION**
The breakdown of staff at the Centre is as follows:

Academic Staff Senior Members 2
Non-Academic Staff 6
Junior Staff 2
National Service Personnel 4
The Centre has an Inter-Faculty Working Group comprising representatives of various cognate departments. The group provides guidance on strategic directions and academic content.

PUBLICATIONS/PAPERS PRESENTED

Research and Publications are part of the core mandate of the Centre. The following book and technical papers have been produced.


Technical Paper Series

The Technical Paper Series is a peer-reviewed publication presenting well-researched findings and viewpoints on topics and themes from members and associates of the Centre’s Inter-Faculty Working Group. Each Technical Paper addresses a specific thematic area of key importance in Ghana’s migration agenda and highlights emerging issues for further research.

The following have been published.
• Akabzaa, T., Asiedu A., Budu, A. Quartey, P.; Akuoni, S. (2010); Migration and Economic Development in Ghana, Centre for Migration Studies Technical Paper Series. Number 1
• Awumbila, M.; Alhassan, O; Badasu, D.M.; Antwi Bosiakoh T. and Tetteh, E.K. (2010); Socio-Cultural Dimensions of Migration in Ghana Centre for Migration Studies Technical Paper Series. Number 3

Other Publications

Prof. Mariama Awumbila
• Awumbila, M. (2011), Gender, Climate Change and Food Security in Ghana, Africa Centre for Gender and Social Development, UNECA, Addis Ababa, Ethiopia

Dr. Peter Quartey
RESEARCH PROJECTS/ACTIVITIES
Collaboration with Institutions on various migration research and teaching programmes forms part of the Centre’s core mandate. Currently, the Centre is undertaking the following projects:

• Capacity strengthening programme with partners in the Netherlands (Institute of Social Studies, Radboud University, Nijmegen and MDF Training and Consultancy) under the NUFFIC funding. The Programme covers teaching, research and extension activities aimed at strengthening the capacity of the CMS to contribute to and influence the development of migration policies in Ghana

• “Migration between Africa and Europe” (MAFE) with Institute of National D’Etudes Demographiques (INED). The project recognizes that migration is not simply a one-way flow from Africa to Europe. Rather, return migration, circulation, and transnational actions are significant and need to be recognized in policy design.

• “Migrating out of Poverty” with a consortium of universities and co-ordinated by the University of Sussex. The research project aims at maximizing the poverty reducing and developmental impacts of migration and minimizing the costs and risks of migration for the poor.

• “African Perspective on Human Mobility” with International Migration Institute (IMI), Oxford with support from MacArthur Foundation, the University of Ibadan, Nigeria, University of Lubumbashi, DRC and Mohammed V University, Rabat, Morocco under funding from the MacArthur Foundation.

• “Transnational Child-Raising Arrangement” with the University of Maastricht, The Netherlands and funded by the Dutch agency for research, WOTRO/NOW. The project focuses on children of migrants left behind in Ghana and the strategies that caregivers employ to negotiate their rights vis-à-vis the migrant parent and how they act out their responsibilities to the migrant’s child.

• “Enhancing the Capacity of Civil Society Organizations and Stakeholders to address Issues of Irregular Migration and Sustainable Return Migration” funded by the British High Commission. The project aims at working together with NGOs/CSOs to provide a more empirically founded understanding for the nature, scale, causes and evolution of irregular migration. Accra.

• “Facilitating the development of a National Migration Policy for Ghana” in collaboration with the Migration Policy Sub-Committee of the Inter-Ministerial Committee of the Migration Unit, Ministry of the Interior. The comprehensive policy on migration in Ghana will ensure that the country maximizes its gains from migration while minimizing its costs.

The Centre is a member of Network of Migration Researchers in Africa (NOMRA), Nigeria and several other migration networks in Ghana and abroad.

CONFERENCES/WORKSHOPS/SEMINARS
The Centre in collaboration with other International Institutions and bodies organizes workshops and seminars, some of which include the following:

• Workshop on ‘Migrating out of Poverty’, 17-18 February, 2011 at the Alisa Hotel

• Workshop on ‘Pre-Departure Orientation for Ph. D Students’ on Tuesday March 8, 2011 at the Institute of African Studies Chalets.

• Dissemination Workshop on ‘Enhancing the Capacity of Civil Society Organization and Stakeholders to Address Issues of Irregular Migration and Sustainable Return Migration through the Provision of Accurate and Reliable Data’ on Tuesday May 17, 2011 at the Presbyterian Church, Dormaa Ahenkro and May 18 at Nkoranza in the Brong Ahafo region

• Lecture on ‘The UK’s Immigration Policy and its Implications for Ghana’ by Mr. Damien Green, MP, United Kingdom Minister of State for Immigration on 28th September, 2011 at the Centre for African Wetlands, Legon.

• Dissemination Workshop on ‘Enhancing the Capacity of Civil Society Organization and Stakeholders to Address Issues of Irregular Migration and Sustainable Return Migration through the Provision of Accurate and Reliable Data’ on Thursday August 26, 2010 at the Centre for African Wetlands.

• Seminar on ‘The Diaspora and National Development: A Case of Ghana’ by Dr. Osman Alhassan on Wednesday November 3, 2010 at the Conference Room of ISSER.

• Public Lecture on ‘The UK Government Approach to Migration with Emphasis on West Africa’, by Mr. Peter Jones, Director for Immigration at the FCO, on 19 November, 2010 at the Centre for African Wetlands, Legon.
VISITORS TO THE CENTRE
Visitors received included;
Mr. Peter Jones, Director for Immigration at the Foreign and Commonwealth Office, now British High Commissioner to Ghana

Mr. Damien Green, MP, United Kingdom Minister of State for Immigration
Dr. Hans Rijneveld, Project Director, Management Development Foundation, 9th to 12th January, 2011.

Dr. Lothar Smith, Radboud University and Dr. Mahmood Messkoub, Institute of Social Studies all from the Netherlands visited the Centre from 24th to 31st January, 2011.

BENEFACTORS
The Centre continues to operate under the four year NUFFIC funding aimed at institutional strengthening of the Centre.

CENTRE FOR GENDER STUDIES AND ADVOCACY

OVERVIEW
The seven focal areas of the Centre for Gender Studies and Advocacy, CEGENSA, are:
Academic Planning and Curriculum development – including the development of short courses, engendering existing courses and building capacity in curriculum development.
• Running a Resource Centre
• Policy Planning
• The development of mentoring programmes for junior faculty and students.
• Addressing issues of sexual harassment and assault, and facilitating sexual assault counseling.
• Research and documentation.
• Outreach and extension work.

STAFFING

Head - Prof. Dzodzi Tsikata
Deputy Head - Rev. Dr. M.P.K. Okyerefo
Snr. Research Asst. - Mr. Edward Gborgbor
Principal. Research Asst. - Ms Ama Pinkrah
Snr. Research Asst. - Ms. Stella Kwami
Teaching Asst. - Mr. Daniel Fiaveh
Teaching Asst. - Ms. Gloria Buabeng
Administrative Assistant - Ms. Eunice D. Kwao

In addition to its core staff, we often use the services of National Service Personnel. Also CEGENSA programmes are implemented by seven committees whose membership is drawn from various faculties in the University. The committees and their membership are as follows:

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<th>COMMITTEE</th>
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<tr>
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<td>Head – CEGENSA</td>
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<td>Deputy Head – CEGENSA</td>
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<td>Rep – Faculty of Social Studies</td>
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<td>Rep – Faculty of Law</td>
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2012 ANNUAL REPORT
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<tr>
<td>Consultative Committee</td>
<td>Prof. Dzodzi Tsikata</td>
<td>Prof. A. Adomako Ampofo (I.A.S./CEGENSA)</td>
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<td></td>
<td>- Chairperson (ISSER/CEGENSA)</td>
<td>Prof. Takyiwaa Manuh (I. A. S.), Dr. Akosua Darkwah (Sociology)</td>
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<td>Dr. Agnes Simpson Budu (Nutrition &amp; Food Science)</td>
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<td>Mr. Aloysius Denkabe (English)</td>
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<td>Rev. Dr. Mike Okyerefo (Sociology)</td>
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<td>Ms. Ama Dadson (ICT Directorate)</td>
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<td>Dr. Mariama Awumbila (Geog. &amp; Res. Dev.)</td>
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<td>Dr. Bridget Ben-Naimah (Counselling Placement Centre)</td>
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<td>Dr. Esther Sakyi-Dawson (Nutrition &amp; Food Science)</td>
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<td>Ms. Ama Pinkrah (CEGENSA)</td>
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<tr>
<td>Research &amp; Documentation Sub-Committee</td>
<td>Dr. Akosua Darkwah - Chairperson (Sociology)</td>
<td>Prof. Dzodzi Tsikata(ISSER/CEGENSA)</td>
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<td>Rev. Dr. Mike Okyerefo (Sociology)</td>
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<td>Extension and Advocacy Sub-Committee</td>
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<td>Mrs. Alexina Arthur (Modern Languages)</td>
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<td>Mentoring/Professional development Sub-Committee</td>
<td>Prof. Nana Aha Amfo Chairperson (Linguistics)</td>
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<td>Mr. Aloysuis Denkabe (English Department)</td>
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Core Activities during the Session*

Curriculum Development

CEGENSA is currently running two course /Gender and Development/ and /Gender and Culture/ through the new African Studies courses.

From the 2011/2012 academic year, CEGENSA started to run three courses as part of the University of Ghana required courses for level 200s in the university. These courses are: the Introduction to Gender Studies in African societies, Gender and Development in Africa and Gender and Culture in African societies with the first course being a compulsory course and the last two courses being electives.

The introduction to gender studies was a three week course that commenced on the 4th week up to the 6th week of university’s academic calendar. The first batch of level 200s numbered about 1,400 with class sizes ranging from a minimum of 50 and a maximum of 350 students per class session. The course objective was to help students to appreciate the gendered nature of African societies, how this impacts on development, and state and civil society responses to gender inequalities.

From the 7th week, students had to break into smaller class sessions for their electives with a good number of the students studying either Gender & Development in Africa or Gender & Culture in African societies.

CEGENSA’s interactions with students indicates that CEGENSA has made some positive impacts on the majority of the students who studied the courses both in theory and practice, in terms of, students indicating to lecturers and teaching assistants, how important it was for them to be exposed to these basic gender issues, especially issues of gender inequality and gender discriminations and could identify and appreciate these issues in their everyday life situations or interactions. Students have also expressed the need for the time and weeks for the duration of these courses to be extended. Most of the students now see themselves as either ‘agents of change or transformers’ in their own small environments.
Resource Centre
The resource Unit, which came into being with the establishment of the Centre in 2005. The unit was established to enhance research, teaching and learning. It is at present a small room housing 488 books and 46 feature and documentary films on gender and gender related issues and women’s rights across various disciplines. It is the only repository of such information at the university, although other libraries also have some of the material.

The Resource Unit is not only patronized by students and lecturers of the University of Ghana but also students, lecturers and researchers from other institutions as well as the general public. In the last academic year, during the first semester, the unit welcomed an average of 26 visitors a month. In the second semester, this jumped to 41 on average. During this semester, the average monthly patronage is 50 persons. We would like this to grow exponentially in order to reach many more interested students, staff and the general public. However, the Unit has some challenges such as limited reading space and the incomplete cataloguing of books and films. The unit has a reading capacity of only six people at a time. With the increasing patronage, there is the need to expand the space and increase book and film stocks. In addition, it is necessary to have a librarian to oversee the cataloguing of books, films and other material in a professional manner.

Policy Planning
As part of its mandate, CEGENSA is required to review the university’s policies, practices and governance structures to ensure that they promote gender equity. The Consultants have submitted the draft gender policy and it’s yet to go through the approval processes.

Mentoring
In furtherance of its mentoring activities, the mentoring committee organised a seminar on grooming and a fashion show on April 20, 2011 at the Kwabena Nketia Conference Hall, Institute of African Studies. The seminar was aimed at helping students appreciate their body types and know the clothing that best suits them. Also, they were made to appreciate the essence of dressing to reflect one’s personality. Mrs. Efua Vandyke and Ms. Bridgette Dzogbenuku on the broad theme: ‘Look Sharp, Feel Good: Tips for Effective Grooming for the Women in a Globalised World’. The fashion houses who donated clothes for the catwalk were Afro Chic, Hemlyne Clothing, and Winie Trendz.

Subsequently on October 13, 2011, the committee organised a Career Guidance Seminar for Female Graduate Students. The seminar was in two sections. The first section was a talk on career development and lifelong learning by Mr. Kofi Williams [Purplepeeple]. The focus of his presentation was mainly on the management of career and employability skills in the corporate world. The second section focused on individual faculty and non-faculty members (from corporate Ghana) sharing their experiences, particularly their challenges and successes as women in their chosen fields of endeavour.

Research
Pathways of Women’s Empowerment Research Consortium
Pathways of Women’s Empowerment Research Consortium is a five (5) year project funded by the Department of International Development, UK (DFID), which seeks to explore the variety and complex pathways that women around the world have sought to empower themselves while seeking to shape policy by interactions with policy institutions and policy makers through research and communications. The project ended this year.

The West Africa Hub Closing Conference which took place on August 25-26, 2011 brought together academics, activists, media professionals, policymakers, development partners and students. The West Africa Hub researchers presented findings from the various research works over the past five years.

As part of the Closing Conference, a 3 day photo exhibition titled, “Threads: Changes and Continuities in Ghanaian Women’s Lives,” was held from August 24-26, 2011 at the Teachers Hall Complex, Accra, Ghana.

The exhibition was an off shoot of a project, Changes and Continuity in Women’s Everyday Lives in Ghana, which sort to explore women’s everyday lives in order to better understand their experiences of empowerment and disempowerment as they relate to the three themes of the Research Project Consortium [RPC] - empowering work, building constituencies for women’s empowerment and changing narratives of sexuality. Through a pilot survey of 400 women in urban, peri-urban and rural areas in 3 regions of Ghana, the study examines how women’s experiences of empowerment and disempowerment are associated with particular moments in their lives from childhood to adulthood.
**Addressing issues of Sexual Harassment and Assault, and facilitating Sexual Assault Counselling.**

The University of Ghana in its quest to create and maintain a community free from intimidation, exploitation and sexual abuse last year inaugurated a 15-member Anti-Sexual Harassment Committee.

The Committee has the mandate of addressing sexual harassment and sexual abuse issues relating to the University community, planning and managing the University’s sexual harassment education and training programmes, maintaining records of reports of sexual harassment and actions taken in response to report, as well as preparing and submitting an annual report to the Vice-Chancellor and the University Council on its work. The Committee is also mandated to investigate specific complaints of sexual harassment, delineate and design appropriate sanctions or disciplinary measures to be applied to persons who violate the policy. The Committee has since commenced work

CEGENSA organised a training workshop on the 11th of October 2011 for members of the anti-sexual harassment committee. At the workshop, there was presentation and discussion on findings of study on sexual harassment on campus. Members of the committee were also introduced to the principles and rules of quasi-judicial hearings.

**RESEARCH AND DOCUMENTATION PROJECTS**

All three projects the Centre has been engaged in for the past couple of years have either ended or will be ending by the close of this year.

- **UNIFEM**
  
  CEGENSA together with the Ark Foundation, Ghana and the DV Coalition, the Centre is undertaking a three year UNIFEM sponsored project on HIV/AIDS entitled “Ameliorating the effects of violence and HIV/AIDS infection among selected group in Southern Ghana”. In 2011 (third year) CEGENSA could not organize most of its planned activities. This is because UN Women [funders] were unable to transfer money due to some issues that needed to be resolved. They have however promised to send CEGENSA the money this month to begin activities for year three.

- **Pathways of Women’s Empowerment Research Consortium**
  
  Pathways of Women’s Empowerment Research Consortium is a five (5) year project funded by the Department of International Development, UK (DFID), which seeks to explore the variety and complex pathways that women around the world have sought to empower themselves while seeking to shape policy by interactions with policy institutions and policy makers through research and communications. The project ended this year

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- **Formalising the Informal and Informalising the formal: Analysing Changes in Women’s Work in Ghana.**
  
  This is an IDRC funded project entitled “Formalising the Informal and Informalising the formal: Analysing Changes in Women’s Work in Ghana”. The study seeks to examine the changing nature of women’s work, with particular reference to the banking and domestic sectors. It will primarily produce knowledge about women’s work in the banking and domestic sectors of the Ghanaian economy. This project ended in December last year and CEGENSA is in the process of finalising year three technical report.

**EXTENSION AND OUTREACH**

**Orientation**

Rev. Dr. M.P.K. Okyerefo was the facilitator for the 2011/2012 orientation for Freshmen which took place on the 24th September 2011 at the Great Hall. This was an opportunity to introduce the centre and its core mandate to the new entrants.

**Extension and Advocacy**

**Film Shows**

In accordance with the Centre’s mandate to increase gender awareness in the University. CEGENSA in collaboration with the SRC Women’s Commission continues to organise monthly film shows.

CEGENSA was invited by Cadbury Ghana Limited to participate in the Cadbury Cocoa Partnership Gender Equity Strategy on Thursday, September 22, 2011. This partnership is to ensure equity, increase women participation and
address diversity concerns in the cocoa sector. We were invited as gender activists and programme implementers to review, assess and critique the draft report.

CEGENSA is also represented on the committee under the auspices of the Ministry of Women and Children’s Affairs tasked to develop the Affirmative Action Bill. The Director of the Centre attended the first meeting.

On 24th May 2011, the Deputy Director of CEGENSA, Rev. Dr. Michael PK Okyerefo, represented the Centre at WaterAid’s first Equity and Inclusion Network meeting held at Erata hotel. By inviting the various groups, WaterAid intends to solicit support of both state and civil society to facilitate networks to enhance equity and inclusion in Ghana’s WASH Sector.

The network brought together 20 civil society organizations and the Ministry of Women and Children’s Affairs to discuss ways of forming a network of WASH advocates dedicated to gender, equality and inclusion issues that would lead on to generating evidence to inform WASH decision-making and programming at various levels.

Newsletter
CEGENSA Matters Vol.4 is currently out and in circulation. A number of copies were sent to our network partners. As part of the homecoming activities, CEGENSA distributed copies of the Newsletter and brochures to participants at the faculty of social studies colloquium.

MUSIGA
CEGENSA was a member of the organising committee of the MUSIGA Gender Project. This is a project aimed at educating women in the creative industry on gender issues and honouring some women/institutions that have excelled in their profession as well as contributed in empowering their fellow woman. The awards night took place on the 14th of February 2011 at the National Theatre.

Workshops Organised
CEGENSA organised a workshop from the 25-27 March 2011 at the Mac Dic Royal Plaza for faculty who had signed up to teach the gender courses. The purpose of this workshop was to develop an instructors’ guide for the new CENGESA/African Studies foundation courses (level 200 Gender courses) for the 2011/2012 academic year.

On December 14, 2011 CEGENSA organised a one day meeting to discuss the findings and policy implications of a three-year research project on the changing character of women’s work in Ghana and its implications for women’s livelihood security as an aspect of their citizenship rights.

WORKSHOPS ATTENDED
Rev. Dr. MPK Okyerefo attended a stakeholders meeting in Accra to discuss a possible formation of a PLATNET on October 6, 2011 at Erata Hotel. Water Aid Ghana in collaboration with other NGOs and CSOs convened CEGENSA has been actively involved in this. The overall aim of the last meeting was to finalise the guiding principles and governance structure of the Platform/Network. The specific objectives were to discuss and finalise proposals on the guiding principles and governance structure of the Platform/Network; brainstorm possible strategies for collaboration to further E&I in WASH in wider development; and discuss possible strategies for fundraising.

Dr. Dzodzi Tsikata attended the Pathways RPC and ISST Workshop on Organising in the Informal Economy: Lessons from Practice, in New Delhi, India from the 20th to 21st October 2008, Presented a paper on “Trade Union Initiatives to Organise in the informal Economy in Ghana”.

CEGENSA participated in a joint workshop organized by Tokyo Medical and Dental University (TMDU) and Integrated Research Systems for Sustainability Science, University of Tokyo (IR3S), in partnership with Noguchi Memorial Institute for Medical Research and CECARA frica Project Partners (University of Ghana, University for Development Studies and Ghana Meteorological Agency) on how research on relationship between climate/ecosystem changes and health issues can contribute to well-being in West Africa.

The objective of the workshop was to understand how ecosystem/climate change affects human health and explore research strategies needed to protect vulnerable communities the West African region.

CEGENSA showed particular interest in the topic because of the gender dimensions of climate change.
CEGENSA was represented in a national workshop organised in May 5, 2011 by UNESCO in partnership with the Ghana Statistics Service to launch the first test phase of the UNESCO Culture for Development Indicator Suite. Ghana is one of six countries selected to participate in this pioneering research and advocacy initiative, which aims to highlight how culture contributes to national development.

The first of its kind, the UNESCO Indicator Suite is an advocacy tool designed to support national stakeholders interested in promoting culture for development in their national development strategies. The Suite aims to clearly demonstrate via qualitative and quantitative data how culture fosters economic growth, helps individuals and communities to expand their life choices, and to adapt to change.

This project contributes to the implementation of Article 13 (Integration of Culture in Sustainable Development) of the Convention for the Protection and Promotion of the Diversity of Cultural Expressions (2005). The Indicator Suite is supported by the Spanish Agency of International Cooperation for Development (AECID).

Grants & Benefactions
The following members and staff of the Centre have made several donations to the Resource Unit.
- Prof. Akosua Adomako Ampofo donated a number of books titled Contextual Theology Voice of West African Women and Gender and Society Vol. 25 No. 5
- Prof. Dzodzi Tsikata donated the following books to the Centre:
  - Feminist Africa Women Mobilised Issue 4, 2005
  - Feminist Africa Subaltern Sexualities Issue 6, 2006
  - Feminist Africa Sexual Cultures Issue 5, 2005
  - Feminist Africa Intellectual Politics Issue 1, 2002
  - Feminist Africa Diaspora Voices Issue 7 2006
  - Feminist Africa Changing Cultures Issue 2, 2003;
- Feminist Africa National Politricks; Defenders of Human Rights, Managers, Builders of Peace; Show us the Money: is Violent Against women on the HIV & AIDS Funding Agenda(film 2 copies); What is the Budget? Where is the Staff? (Film 3 copies) And published Reports.
- ABANTU for Development donated five books namely:
  - Issues & Lessons learnt in election 2008(2)
  - Gender and Peace Building in West Africa (2)
  - Sex Disaggregated data on Staff in selected financial institutions in Ghana (2)
  - ABANTU is ten years, enhancing women’s voices in policy spaces
- Signe Arnfred also donated a book Sexuality and Gender in Mozambique: Rethinking Gender in Africa.
- ISSER donated two books
  - AGOA Market Opportunity and Supply of Capacity in Ghana
  - Factors influencing the use of adequate iodated salt in Ghana
- Prof. Kathleen Fallon (McGill University, Canada) also donated five books
  - Feminism issue and argument,
  - Mothers on the fast track:
  - How a new generation can balance family and careers;
  - Women and social protest,
  - Why separate is not equal in sports: playing the boys

THE CENTRE FOR SOCIAL POLICY STUDIES

OVERVIEW
The Centre for Social Policy Studies (CSPS) was established with support from UNICEF in October 1996 at the University of Ghana, Legon. It was established as part of efforts to build capacity for more evidence based-research for policy formulation, on issues related to social development and social protection. CSPS located within the Faculty of Social Studies. In its work, the Centre is guided by principles that essentially reflect the need for rights-responsive public policies, equity and social justice, openness, efficiency and team work.
ACADEMIC PROGRAMMES
The Centre offers a one-year Master of Arts Programme in Social Policy Studies. Its main focus is to train middle to senior level development practitioners and policy makers in the theory and practice of social policy. This is to support social transformation in Ghana. CSPS is also working on a proposal to introduce M.Phil and Ph.D in Social Policy Studies, which hopefully will be introduced in the 2012/2013 academic year.

STUDENT NUMBERS
The Centre during the year under review admitted 22 students for its M.A. Social Policy Studies.

Academic Staff
Altogether CSPS has a Faculty of nine senior members including one Senior Research Fellow and eight-time lecturers at the Centre.

In addition, CSPS collaborates with a large number of colleagues in other Departments within the Faculty of Social Studies.

Non-academic staff - 6

Each year a National Service person is posted to the Centre’s Heyward Reserved Library.

PUBLICATIONS/PAPERS PRESENTED
Publications
• Ellen Bortei-Doku Aryeetey; Stephen Afranie; Dan Doh and Paul Andoh: Where Should We Stay? Exploring the Options for Caring for Orphans and Vulnerable Children in Ghana
• Naa Atswei Owusu: Outdoor Education to Promote Mentoring and Youth Leadership Skills in Ghana

Presentations
• Ellen Bortei-Doku Aryeetey, Understanding Poverty Dynamics to Eradicate Chronic Poverty, presented at IIPA/ CPRC Conference on Chronic Poverty in New Delhi, India, 3rd to 5th February 2011.
• Ellen Bortei-Doku Aryeetey, Conceptual and Implementation Challenges in Social Protection in Ghana, presented at ECOWAS Conference on Poverty, held at the University of Ghana, Legon from 11th to 13th June 2011.
• Ellen Bortei-Doku Aryeetey, George Domfe, Dorcas Dennis: Gender, Assets and Vulnerability in Ghana, presented at Symposium on Access, Accountability and Equality, organized by ASRI at the University of Michigan, USA, 22nd to 23rd July 2011.

Research Activities
Research Projects
• Perception and Attitudes of People Towards Vocational and Technical Education and Training in Ghana supported by City and Guilds Skills Centre for Skills Development
• Poverty and Vulnerability in Ghana, a Qualitative Study funded by Chronic Poverty Research Centre (CPRC).

Conferences/Workshops/Seminars
• CSPS hosted a West Africa Conference on Chronic Poverty in Accra from 24th to 25th February 2011 at GS Plaza Hotel, Okponglo Accra. Supported by Chronic Poverty Research Centre, UK.
• CSPS participated in Faculty of Social Sciences Symposium organized under the Home Coming Week events in November 2011, at the University of Ghana

Benefactors/Benefactions
City and Guild Centre for Skills Development supported CSPS with a research grant of £11,704.63
BALME LIBRARY

OVERVIEW
The year under review witnessed a lot of developments in the Balme Library. The Carnegie Research Commons project started earnestly. A Knowledge Commons partly sponsored by Carnegie has also been equipped with 90 computers.

A 24 hour reading room for the university community was also opened. The National Information. Agency (NIA) of Korea is establishing an Information Access Centre (AC) in the library in line with its policy of bridging the digital/IT gap between the IT knowledge between the poor and the rich.  This is located on the 2nd floor - West Wing of the Balme Library. The facility is made up of 5 seminar rooms to be equipped with video conferencing equipment, one Internet Lounge and 1 IT training laboratory.

The ground floor of the West stack is undergoing serious refurbishment. The East Stack has been completely refurbished with new furniture and the shelves have been resprayed.

The following section details some of the progress made in the various units of the library.

ELECTRONIC SUPPORT UNIT
The Electronic Support Unit started the digitization of Africana materials in February 2011. More than 118 materials have been scanned using Atiz Mini Scanner and a total number of 164 materials and manuscripts have been digitized with the Atiz Book Drive Pro. Alongside the Africana rare materials, 64 newspapers have been scanned and 52 theses and dissertations have been scanned (1954- 1974). This project was executed under the Balme Library/Royal Tropical Institute (KIT) collaboration which we partly funded by the Royal Netherlands Embassy in Accra.

Electronic Support Unit upgraded the University’s ILS (Millennium Software). This upgrade involved the development of the web interface to the University of Ghana Integrated Library System. This allows the public to access materials from outside the library.

It also has a mobile interface that allows the public to access information on their mobile devices.

The following modules have also between added to increase the capability of our ILS: CIRCA (Check-In, check-Out, Inventory, Count Use, and Rapid Update Staff functions via wireless connectivity), AIRPAC (OPAC designed using wireless) and Content Access Service. Four 3mBook Theft Detection Systems at strategic locations in the library were installed.

ACQUISITION SECTION
The section accessioned a total of 6,814 books in 2011, 1199 were purchased, the rest were donations from Ghana Sustainable Aids Project and Partners and the Rotary club of Accra. In addition, the Rotary Club of Accra donated 30,000 books to the library.

CATALOGUING SECTION
Cataloguing renewed its subscription to WorldCat with Online Computer Library Centre (OCLC). Between January 2011 and 12th December, 2011 a total of 20,090 new bibliographic records were added to the university catalogue (UGCat).

AFRICANA
Africana has a ‘Furley’ collection and under the Royal Tropical Institute (KIT) of Netherlands programme, has completed the digitisation of the Furley Collection. It has also digitised other rare materials (dubbed “Heritage materials”) in a bid to protect and preserve these invaluable historical records.

STUDENT REFERENCE LIBRARY (SRL)
Weeding and relabeling of books constituted the main occupation of this unit in the year. Majority of books in the Reserved Collection Room have been relocated to the Balme Library Students’ Reserved Open Shelves (blos) and the Balme Library Open Shelves (blos) because they were not being used.

The Unit is also Working closely with Electronic Support Unit to put suggested titles from lecturers on line for students to access.

Plans are far advanced to place past examination questions online, most of them have been scanned.
STAFF DEVELOPMENT AND TRAINING

A number of staff both Senior Members and Senior Staff attended a number of local and international conferences, workshops and study tours to upgrade their skills and knowledge in current practices.

The following chart shows Training Programmes/Seminars and Participants

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>PARTICIPANTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 IUG Conference, San Francisco</td>
<td>Francis Awuye-Kpobi, Ellis Badu</td>
</tr>
<tr>
<td>2 Study tour of Research and Knowledge Commons in Pretoria, Cape town, Stellenbosch and Johannesburg, from 21-28 May, 2011</td>
<td>Henry Atsu Agbodza, Ellis Badu, Francis Boachie (ICT)</td>
</tr>
<tr>
<td>3(a) 2011 American Library Association conference.</td>
<td>Barfi-Adomako Owusu, David Odjeawo</td>
</tr>
<tr>
<td>3(b) Digitisation training USA</td>
<td>Barfi-Adomako Owusu, David Odjeawo</td>
</tr>
<tr>
<td>4 November 6th – 16th 2011 Training programme in Seoul, South Korea on Internet Access Centre</td>
<td>Gladys Kwadzo, Emmanuel Oware (ICT)</td>
</tr>
<tr>
<td>5 Millennium Coordinator basics course in Emeryville, California, USA</td>
<td>Francis Awuye-Kpobi</td>
</tr>
<tr>
<td>6 African Library summit, Pretoria, South Africa</td>
<td>Gifty Boakye, Ellis Badu</td>
</tr>
<tr>
<td>7 Seminar on Research Management tool, Witswaterstand, Johannesburg</td>
<td>Ellis Badu, Michael Dzandu (Information Studies Dept.), Afua Yeboah (ORID)</td>
</tr>
<tr>
<td>8 IFLA Conference, Puerto Rico, August 2011</td>
<td>Gifty Boakye, Newton Akrong</td>
</tr>
<tr>
<td>9 Conference, Digitisation, Witswaterstand, Johannesburg, South Africa</td>
<td>Daniel Opoku, Wilhelmina Okine</td>
</tr>
<tr>
<td>10 Training in Research Commons Management, Witswatersand, Johannesburg, South Africa</td>
<td>Theodosia Adanu, Frank Essien</td>
</tr>
<tr>
<td>11 Mortensen Centre Training on Institutional Repository 18 – 20th July, 2011, University of Ghana</td>
<td>Representatives of all departments</td>
</tr>
<tr>
<td>12 Training on Acquisitions Module of the Millennium Software, Balme Library from 23-25 August, 2011</td>
<td>Selected members of staff from all units</td>
</tr>
<tr>
<td>13 Inotech Scamax MO6 Scanner Training 3rd – 4th November, 2011</td>
<td>Nine participants including one representative from University Archives, one from Human Resource Directorate and seven from Balme Library</td>
</tr>
<tr>
<td>14 Training for newly appointed staff in new IT applications by Clydestone Ghana Limited</td>
<td>All newly appointed staff of the Electronic Support Unit.</td>
</tr>
</tbody>
</table>

STAFFING

New Appointments: fourteen (14) members of staff were added to the establishment of the Balme Library. Eight Senior Staff and six (6) Junior Staff.

New Employees
Junior Staff – 6
Senior Staff – 8

Retiree:
One Senior Staff, Mr. S.D. Amoah, Chief Library Assistant retired from the services of the Balme Library.

Number on roll
Senior Members – 17
Senior Staff – 50
Junior Staff – 52
T.S.U (SS) – 9
(J/S) – 8
Total on roll – 126

PUBLICATIONS
• Opoku Daniel (2011); Employee Motivation and Productivity in a University Library system: The Ghanaian Experience. Saarbrucken, Germany: VDM Verlag Dr. Muller GmbH & co. KG
• Opoku Daniel (2011) Managing Academic Library: Experience from a Developing World; Saarbrucken: VDM Verlag Dr. Muller GmbH & Coo. KG.
• Opoku Daniel (2011) Growth and Development of Private Universities in Ghana; A Global Perspective, Saarbrucken: VDM Verlag Dr. Muller GmbH & Coo. KG.
• Kpode, A.O. (2011). Faculty Information Behaviour: information requirements and Information behaviour patterns of faculty at the University of Ghana, Saarbrucken VDM Verlag Dr. Muller.

VISITORS TO THE LIBRARY
The following visitors toured the library or organised seminars/workshops in the library’s conference rooms:
• Africa Buamko, from Koninklijk Institute voor de Tropen (KIT)
• Dr. Rookaya Bawa from Carnegie Corporation
• Senior Staff from Morten Centre, U.S.A.
• Dr. Tade from Carnegie Corporation
• Dr. John Tsebe from South African National Librarian
• Iain R. Torrance, President and Professor of Patristics, Princeton Theological Seminary.

Visit from Youth Groups
• Abusco royal International School, Obuasi
• NCCE/Senior High School Civic Education Club
• OPOSA
• Mamprobi Roman Catholic Basic School
• John Teye Memorial, Ofankor, Accra
• Doffer Senior High School
• Youth with A Mission, Tema
• Mars Home Junior High School, Accra.

Action to be taken from Library Board meeting:
• Position of the University Librarian in the University Hierarchy
• Proposal to use source of funding to turn Balme Library into a Modern University Library
• 24 Hour Reading Room statistics.
INTERNATIONAL PROGRAMMES

OVERVIEW
Serving as the gateway to the university, with very little numerical staff strength, the office succeeded in consolidating existing partnerships and fostering new ones in the line of student and faculty exchange as well as research collaborations. It has also facilitated the admission, registration, accommodation and welfare of both visiting (short-term) and regular international students of the University of Ghana (UG). A total number of 1108 students were admitted in all. The office also coordinated placements for volunteer services for interested students in various institutions. Thirty (30) students and faculty members benefitted from various UG study abroad and exchange programmes/schemes including CUSAC and ISEP. The reception of international visitors in the office of the Dean and linking them with relevant departments, institutes, schools, etc cannot be overemphasized. 113 delegates who were here to explore opportunities for links with UG were hosted by the end of the year under review.

The second edition of Ghana Field School was successfully executed even though the office expected prospective departments to play a more active role in the local exposure of the programme to their students. The programmes hosted seventeen (17) students from Grand Valley University (GVU) in the U.S.A. who were accompanied by a professor and two administrators. The programme was hosted by the University of Ghana Business School – Department of Public Administration and Health Services. It spanned a period of eight weeks and involved both lecture room work and field trips.

It was so successful that, the GVU immediately requested estimates for the next programme on their return to the U.S.A.

STAFF
Dean - Prof. Naa Ayikailey Adamafio
Examinations Coordinator - Mr. Joseph Ecklu
Assistant Registrar - Mr. Daniel Hormeku
Accountant - 1
Senior Administrative Assistants - 2
National Service Persons - 6
Junior staff - 4

INTERNATIONAL COLLABORATIONS
As is increasingly registered every year, the collaborative agreements signed this year are on the high side, with an indication of more and more Asian partners taking keen interest in African universities.

The International Programmes Office facilitated the endorsement of agreements with:
• Kabawil, Germany, Performing Arts
• Seventh (7th) October University, Libya
• Sookmyung Women’s University, Korea
• Università Degli Studi Di Pavia, Italy
• University of Syracuse, New York, USA
• The Institute Of Research For Dev. (IRD) Marseille, France
• Hanbat National University, Korea
• Covenant University, Ota, Nigeria
• West Africa Centre For Crop Improvement/WACCI
• University Of Nebraska, USA
• Sciences Po, France
• Oregon State University, USA
• Wayne County Community College (WCCC), USA
• Ghana/South Africa Nuclear Energy
• Tianjin Univ. Of Traditional Chinese Medicine, China
• Nigerian Defense Academy
• Groupe Ecole Supérieure De Commerce, Dakar (Sup De Co)
• Theatre For A Change, Ghana
• Hebei University of Economics and Business, China
• University of Nairobi, Kenya
• University of Free State, South Africa (Business School)
• University Of South Africa (School of Business and Leadership)
Other link arrangements in the pipeline

- University of Gaja, Mada, Indonesia (3rd Dream Int’l, Summer Programme)
- Cheongju University, Korea
- Charles University, Czech Republic
- Faculty of Veterinary Medicine, University of Nairobi
- University of Pretoria, South Africa
- North Carolina @ Chapel Hill
- Dongguk University, Korea
- Loyola University, Chicago, USA
- Linnaeus-Palme University, Sweden
- Kashan University, Iran
- Moscow State University Of Applied Sc, Russia

Visitors

The number of visitors either paying courtesy calls on the Dean or meaning to initiate and or renew relations with the university amounted to eighty-one (81). These visitors were from various institutions across Africa, North and South America and Asia. Below is a table of visitors by country. It is pertinent to state that a number of unannounced visits by individuals and sometimes groups with students were received mostly by the Assistant Registrar.

<table>
<thead>
<tr>
<th>NAME OF INSTITUTION</th>
<th>COUNTRY</th>
<th>DATE OF VISIT (mm/dd/yy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Kent State University, Ohio</td>
<td>USA</td>
<td>7/28/10</td>
</tr>
<tr>
<td>2. Tufts University</td>
<td>USA</td>
<td>7/29/10</td>
</tr>
<tr>
<td>3. Florida A&amp;M University</td>
<td>USA</td>
<td>8/16/10</td>
</tr>
<tr>
<td>4. INRIA</td>
<td>France</td>
<td>8/27/10</td>
</tr>
<tr>
<td>5. University of Missouri</td>
<td>USA</td>
<td>9/8/10</td>
</tr>
<tr>
<td>6. Simon Fraser University</td>
<td>Canada</td>
<td>9/13/10</td>
</tr>
<tr>
<td>7. University of New Hampshire</td>
<td>USA</td>
<td>9/20/10</td>
</tr>
<tr>
<td>8. Hanbat National University</td>
<td>South Korea</td>
<td>9/23/10</td>
</tr>
<tr>
<td>9. University of Westminster</td>
<td>USA</td>
<td>9/28/10</td>
</tr>
<tr>
<td>10. University of Essex</td>
<td>UK</td>
<td>10/18/10</td>
</tr>
<tr>
<td>11. University of Charleston</td>
<td>USA</td>
<td>10/21/10</td>
</tr>
<tr>
<td>12. Dartmouth College</td>
<td>USA</td>
<td>10/21/10</td>
</tr>
<tr>
<td>13. University of California</td>
<td>USA</td>
<td>10/25/10</td>
</tr>
<tr>
<td>14. Institut de Recherche et Developpement/Univ. de Ouagadougou</td>
<td>France/Burkina Faso</td>
<td>10/28/10</td>
</tr>
<tr>
<td>Calvin College</td>
<td>USA</td>
<td>11/01/10</td>
</tr>
<tr>
<td>15. Hospital for Sick Kids</td>
<td>Canada</td>
<td>11/02/10</td>
</tr>
<tr>
<td>16. Rutgers University</td>
<td>USA</td>
<td>11/15/10</td>
</tr>
<tr>
<td>17. Okayama University</td>
<td>Japan</td>
<td>11/17/10</td>
</tr>
<tr>
<td>18. Martin Luther University</td>
<td>Germany</td>
<td>11/17/10</td>
</tr>
<tr>
<td>19. University of Georgia</td>
<td>USA</td>
<td>11/23/10</td>
</tr>
<tr>
<td>20. Universite d’Ahomey-Calavi</td>
<td>Benin</td>
<td>11/24/10</td>
</tr>
<tr>
<td>21. Hunan City University, Linxiao</td>
<td>China</td>
<td>12/09/10</td>
</tr>
<tr>
<td>21. Justus-Lieberg-Universitaet Giessen</td>
<td>Germany</td>
<td></td>
</tr>
<tr>
<td>22. University of Nebraska, UNL Lincoln</td>
<td>USA</td>
<td>12/14/10</td>
</tr>
<tr>
<td>23. Stellebosch University</td>
<td>South Africa</td>
<td>12/15/10</td>
</tr>
<tr>
<td>24. Groupe Dup de Co</td>
<td>Senegal</td>
<td>01/04/11</td>
</tr>
<tr>
<td>25. University of Botswana</td>
<td>Botswana</td>
<td>01/19/11</td>
</tr>
<tr>
<td>26. University of Michigan, Flint</td>
<td>USA</td>
<td>01/19/11</td>
</tr>
<tr>
<td>27. Sciences Po, Paris</td>
<td>France</td>
<td>02/01/11</td>
</tr>
<tr>
<td>28. Semester at Sea, Univ. of Virginia, Santa Barbara</td>
<td>USA</td>
<td>02/08/11</td>
</tr>
<tr>
<td>29. University of Guelph</td>
<td>Canada</td>
<td>02/09/11</td>
</tr>
</tbody>
</table>
30. DARTMOUTH COLLEGE USA  02/14/11
31. CIS STUDY ABROAD, NORTHAMPTON USA 02/15/11
32. ST. CATHERINES CANADA  02/22/11
33. BROCK UNIVERSITY CANADA  02/22/11
34. UNIVERSITY OF SOUTH AFRICA, PRETORIA SOUTH AFRICA 03/04/11
35. HARSTAD UNIVERSITY COLLEGE  03/15/11
36. UNIVERSITY OF NEW HAMPSHIRE USA
37. MALMO SWEDEN
38. GHENT UNIVERSITY BELGIUM
39. UNIVERSITY OF SOUTH AFRICA(UNISA) S.A 04/03/11
40. DILLARD UNIVERSITY USA 03/17/11
41. WAKE FOREST UNIVERSITY USA 02/05/11
42. NIGERIAN DEFENCE ACADEMY NIGERIA 03/05/11
43. INTERNATIONAL STUDENT EXCHANGE PROGRAMS (ISEP) USA 10/05/11
44. EMBASSY OF ISRAEL IN GHANA ISRAEL 14/06/11
45. HANBAT NATIONAL UNIVERSITY SOUTH KOREA 05/07/11

***There were a few other visitors who however did not sign the visitors’ book.
***Most groups comprised two or more members.

STUDENT NUMBERS FOR THE 2010/2011 ACADEMIC YEAR
The Office of the Dean, International Programmes registered 1108 international students for the 2010/2011 academic year.

International Students Statistics
International students who registered for the 2010/2011 academic year consisted of regular graduate and undergraduate students, visiting and occasional students as well as English Proficiency students:

International Students Registered by Student Type and Gender per Semester, 2010/2011

<table>
<thead>
<tr>
<th>STUDENT TYPE</th>
<th>1st Sem</th>
<th>2nd Sem</th>
<th>1st Sem</th>
<th>2nd Sem</th>
<th>1st &amp; 2nd Sem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular (Continuing)</td>
<td>184</td>
<td>0</td>
<td>172</td>
<td>0</td>
<td>356</td>
</tr>
<tr>
<td>Regular (New Admissions)</td>
<td>64</td>
<td>0</td>
<td>83</td>
<td>0</td>
<td>147</td>
</tr>
<tr>
<td>Visiting Students (Special Admissions)</td>
<td>56</td>
<td>53</td>
<td>199</td>
<td>152</td>
<td>255</td>
</tr>
<tr>
<td>Occasional Students</td>
<td>3</td>
<td>13</td>
<td>2</td>
<td>17</td>
<td>30</td>
</tr>
<tr>
<td>Total Undergraduate Students</td>
<td>307</td>
<td>66</td>
<td>456</td>
<td>169</td>
<td>763</td>
</tr>
<tr>
<td>Graduate Students (fresh)</td>
<td>30</td>
<td>0</td>
<td>18</td>
<td>0</td>
<td>48</td>
</tr>
<tr>
<td>Graduate Students (continuing)</td>
<td>10</td>
<td>0</td>
<td>30</td>
<td>0</td>
<td>40</td>
</tr>
<tr>
<td>Research Affiliates</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Certificate in English Proficiency</td>
<td>13</td>
<td>0</td>
<td>7</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Total International Students Enrolled</td>
<td>360</td>
<td>67</td>
<td>512</td>
<td>169</td>
<td>872</td>
</tr>
</tbody>
</table>

STUDENTS BY PROGRAMME OF STUDY – 1st Semester, 2010/2011

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>1st Sem</th>
<th>2nd Sem</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts</td>
<td>225</td>
<td>0</td>
<td>225</td>
</tr>
<tr>
<td>Bachelor of Fine Arts</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Science</td>
<td>217</td>
<td>0</td>
<td>217</td>
</tr>
<tr>
<td>Bachelor of Science in Administration</td>
<td>47</td>
<td>0</td>
<td>47</td>
</tr>
<tr>
<td>Bachelor of Science in Agriculture</td>
<td>10</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>Bachelor of Science in Engineering</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Certificate in English Proficiency</td>
<td>20</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Programme/University</td>
<td>1st Sem</td>
<td>2nd Sem</td>
<td>Total</td>
</tr>
<tr>
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<td>California State University (CSU)</td>
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<td>16</td>
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<td>52</td>
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<td>111</td>
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<td>Elon</td>
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<td>Hradec Kralove</td>
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<td>Individuals</td>
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<td>10</td>
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<td>International Students Exchange Programme (ISEP)</td>
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<td>Oslo</td>
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<tr>
<td>Rutgers University</td>
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<td>Simon Fraser</td>
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<td>Soka University</td>
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<td>3</td>
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<td>Strasbourg University</td>
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<td>1</td>
<td>2</td>
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<tr>
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<td>University of California Exchange Abroad Programme (UC-EAP)</td>
<td>48</td>
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<td>79</td>
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<tr>
<td>Universities Study Abroad Consortium (USAC)</td>
<td>8</td>
<td>13</td>
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<tr>
<td>University of New Hampshire</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>255</strong></td>
<td><strong>205</strong></td>
<td><strong>460</strong></td>
</tr>
</tbody>
</table>
Out of the total number of visiting students who enrolled in the 2010/2011 academic year thirty two (32) students studied in the University of Ghana for the full academic year.

**Registered International Students Distribution by Country per semester, 2010/2011**

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>1st Sem</th>
<th>2nd Sem</th>
<th>Total</th>
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<td>Benin</td>
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<tr>
<td>Burkina Faso</td>
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<tr>
<td>Cameroon</td>
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<tr>
<td>Canada</td>
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<td>China</td>
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<td>16</td>
</tr>
<tr>
<td>Czech Republic</td>
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<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Denmark</td>
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<td>0</td>
<td>2</td>
</tr>
<tr>
<td>DR Congo</td>
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</tr>
<tr>
<td>Egypt</td>
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</tr>
<tr>
<td>England</td>
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</tr>
<tr>
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<tr>
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</tr>
<tr>
<td>Gambia</td>
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</tr>
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<tr>
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<td>Jamaica</td>
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<tr>
<td>Korea</td>
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<tr>
<td>Libya</td>
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<tr>
<td>Mali</td>
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<td>Mexico</td>
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<td>Norway</td>
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<td>Russia</td>
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<td>Spain</td>
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<td><strong>236</strong></td>
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International Students registered by continent

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<th>Continent</th>
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<tr>
<td>Africa</td>
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<td>Asia</td>
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<td>Australia</td>
<td>1</td>
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<tr>
<td>Europe</td>
<td>52</td>
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<td>The Middle East</td>
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<td><strong>Total</strong></td>
<td><strong>1108</strong></td>
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CONFERENCES/ WORKSHOPS/SEMINARS
The Dean also participated in the following meetings during the year under review.
- CUSAC Members’ meeting at the University of Cape Coast*, 30th -31st August, 2010
- Meeting on the Intra- ACP Mobility Scheme at the University of Botswana, 18th -21st April, 2010
- NAFSA Conference*, 26th May – 4th June, 2011, Vancouver, Canada
- Partnership review meeting in Rochester University, 4th -9th June, 2011 New York , USA
- QS World University Ranking workshop, Universities in KwaZulu-Natal, 19th to 23rd July, 2011, South Africa
*The Assistant Registrar also participated in these meetings.

BENEFICIARIES OF EXTERNAL PROGRAMMES
The year under review 30 students comprising graduates and undergraduate benefited from various exchange abroad programmes particularly in North American Universities. Below is the list of beneficiaries of Exchange programmes for the 2010.2011 academic year.

<table>
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<th>Graduate Programme</th>
<th>Department/Faculty</th>
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<tbody>
<tr>
<td>ISEP</td>
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<tr>
<td>Mr. Nutifafa Adotey</td>
<td>Soil Science, C.A.C.S.</td>
</tr>
<tr>
<td>Mr. Armah Ralph N. Armah</td>
<td>Agric Econs, C.A.C.S.</td>
</tr>
<tr>
<td>Mr. Martin N. Y. H. Egblewogbe</td>
<td>Physics, Faculty of Science</td>
</tr>
<tr>
<td>Ms. Joyce K. Thompson</td>
<td>Biochemistry, Fac. of Science</td>
</tr>
<tr>
<td>Ms. Edem Mahu</td>
<td>Oceanography, Fac. of Science</td>
</tr>
<tr>
<td>TUFTS</td>
<td></td>
</tr>
<tr>
<td>Ms. Asabea Korkor Tetetsu</td>
<td>Sociology, Social Studies</td>
</tr>
<tr>
<td>Ms. Joana Salifu</td>
<td>Psychology. Social Studies</td>
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<tr>
<td>NCSU</td>
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<tr>
<td>Mr. Yaw Serekye Annor</td>
<td>Animal Breeding, C. A.C.S.</td>
</tr>
<tr>
<td>Ms. Oseremah Owusu Yeboa</td>
<td>English, Faculty of Arts</td>
</tr>
<tr>
<td>GUELPH University, Canada</td>
<td>Agric Extension, C.A.C.S.</td>
</tr>
<tr>
<td>Ms. Fadilla Mohammad</td>
<td>Genetics &amp; Plant, C.A.C.S.</td>
</tr>
<tr>
<td>Mr. Enoch Sarpei</td>
<td>Spanish Language (Modern Languages)</td>
</tr>
<tr>
<td>Ms. Evelyn Yamoah</td>
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<tr>
<td>SIMON Fraser University, Canada</td>
<td>Earth Science, Faculty of Science</td>
</tr>
<tr>
<td>Prince Ofori Ampomsah</td>
<td>Sociology, Faculty of Social Studies</td>
</tr>
<tr>
<td>Mr. Albert Kpoor</td>
<td>Physics, Faculty of Science</td>
</tr>
<tr>
<td>Abraham Amankwah</td>
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</tr>
<tr>
<td>UNIVERSITY of Carleton, Canada</td>
<td>Earth Science, Faculty of Science</td>
</tr>
<tr>
<td>Ms. Elizabeth Nortey</td>
<td>Geography, Faculty of Social Studies</td>
</tr>
<tr>
<td>Ms. Ivy Ayitey-Adjin</td>
<td>Post Harvest, C. A. C. S.</td>
</tr>
<tr>
<td>Mr. Jones Akuaku</td>
<td>Geography, Faculty of Social Studies</td>
</tr>
<tr>
<td>Philip Neri Jayson Quashigah</td>
<td></td>
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</table>
DONGGUK University, South Korea
Mr. Clement Okraku Tetteh   Social Work, Faculty of Social Studies
Ms. Veronica Nardu Narrey   Biochemistry, Faculty of Science

UNIVERSITY of Rochester, New York
Mr. Adum Kyeremeh Kwame History, Faculty of Social Studies
Mr. Richmond Kwesi Philosophy, Faculty of Arts
Kwadwo Antwi-Fordjour Mathematics, Faculty of Science

Undergraduate

SOOKMYUNG Women’s University, South Korea
Ms. Anita Emefa Hato, Mathematics & Computer Science, Faculty of Science
Ms. Ama Peprah Asare, Mathematics & Computer Science, Faculty of Science

ELON University, USA
Ms. Theresa Otchere Information Studies, Faculty of Social Studies

CUSAC
Mr. Kwabena Aboa Addo Insurance, UGBS
Ms. Eugenia Koranteng-Kesse Sociology, Faculty of Social Studies

BARNARD College, New York
Ms. Gifty Akuamua Linguistics and Psychology Faculty of Social Studies
Ms. Regina Kampo Mathematics & Statistics, Faculty of Science
Ms. Adufu Theodora, Computer Science, Faculty of Science

VOLUNTEER SERVICES
Volunteer Services for interested visiting students started in the first semester 2010/2011 academic year. In all, a total of 14 students received introductory letters from the office for volunteer services at various institutions.

First semester statistics

<table>
<thead>
<tr>
<th>Name</th>
<th>Place of interest</th>
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</thead>
<tbody>
<tr>
<td>Kimberly Anderson</td>
<td>Street Girls Aid</td>
</tr>
<tr>
<td>Christine Suhonen</td>
<td>University Basic School</td>
</tr>
<tr>
<td>Carolyn Maugham</td>
<td>University Basic School</td>
</tr>
<tr>
<td>Nadia Leroy Brahim</td>
<td>New Horizon Special School</td>
</tr>
<tr>
<td>Dominik Schuck</td>
<td>University Basic School</td>
</tr>
<tr>
<td>Katherine Marinari</td>
<td>Madamfo Pa Orphanage</td>
</tr>
<tr>
<td>Chelsea Wager</td>
<td>Madamfo Pa Orphanage</td>
</tr>
<tr>
<td>Joseph Mabon</td>
<td>Madamfo Pa Orphanage</td>
</tr>
<tr>
<td>Namibia Lebron-Torres</td>
<td>University Hospital</td>
</tr>
<tr>
<td>Camea Osborn</td>
<td>University Basic School</td>
</tr>
<tr>
<td>Catherine Schwasman</td>
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<tr>
<td>Colin Glenn</td>
<td>Madamfo Pa Orphanage</td>
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</table>

Second semester statistics

<table>
<thead>
<tr>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Lasher-sommers Kali maria</td>
<td>University Basic School</td>
</tr>
<tr>
<td>Madeleine Regan</td>
<td>University Basic School</td>
</tr>
</tbody>
</table>

It must be noted that this service is normally at the request of the students and is mostly patronized by individual visiting (short term) students for a limited period.

Events
We organized statutory programmes such as orientation programmes for newly admitted students and provided the students a platform to interact informally through welcome durbars. This was done in both semesters.

Publications
OVERVIEW
The University of Ghana Business School (UGBS) successfully ran its academic programme in the year under review.

The School’s Centre for Management Research and Professional Development (CMRPD) and Enterprise Development Services (EDS) continued to offer a range of courses emanating from comprehensive industry needs assessment and networking with the business community.

During this period, two Senior Members, one Senior staff and two Junior staff went on retirement.

PROGRAMME OFFERED
The School offers B.Sc. (Administration) with specializations in the following areas:
- Accounting
- Banking and Finance
- Human Resource Management
- Health Services Management
- Marketing
- Public Administration
- Insurance

The four categories of Masters programme offered by the School are:
- Master of Public Administration
- Master of Business Administration with specializations in Accounting, Finance, Human Resource Management, Health Services Management, Marketing and Management Information Systems.
- Master of Philosophy which offers specializations in Accounting, Finance, Human Resource Management, Health Services Management, Marketing and Public Administration.
- Executive Masters in Business Administration with specializations in Accounting, Marketing Finance, Human Resource Management, Entrepreneurial management and Project Management.

STUDENT NUMBERS
The Business School has 2,938 enrolled students.

STAFF POSITION
Academic Staff - 76
Senior Administrative Staff - 5
Senior Staff - 45
Junior Staff - 59
Administration - 7

DEPARTMENT OF ACCOUNTING
OVERVIEW
The department is one of the six departments of the UGBS.

COURSES OFFERED
The department has been offering four accounting programmes: MPhil, MBA,EMBA and B. Sc. Administration degrees. The department used to run the Diploma in Accounting (DIA) programme which is currently being run at the City Campus.
STUDENT NUMBERS
Postgraduates/ Undergraduates

The postgraduate students in the department are 25, studying for the MBA and the MPhil degrees. The breakdown is as follows:

MBA - 13
MPhil - 12

The Undergraduates are also 122

BSc. Administration
There are currently students who are offering accounting at the levels 300 and 400 of the B. Sc. Administration programme at the Main and City campuses. The breakdown is as follows:
Main Campus:
Level 300 and Level 400

Diploma in Accounting
Students who are on the two-year Diploma in Accounting programme are 40. The programme is in two parts, Part I and Part II, over the two years, with the following breakdown:

Part I - 15
Part II - 25

Number of Staff
The following is a breakdown of the 14 staff members in the department:

Academic Staff - 12
Senior Staff - 1
Junior Staff - 1

14

RESEARCH ACTIVITIES
The following are the research activities of some of the lecturers in the department.

Dr J. M. Onumah
Accepted for Publication
• To be presented at Conference at Imperial College, April 1st & 2nd, 2010 and to be published in Accounting, Organisation & Society
• Onumah, J. M. & Owusu, Godfred, “Challenges of Implementing Medium Term Expenditure Framework (MTEF) in Developing Countries: Evidence from Ghana”.
• (Under Review for publication in International Journal of Governmental Financial Management)

Textbook & Manual in Progress
• J. M. Onumah & Redeemer Krah Public Sector Accounting: Theory and Practice in the Ghanaian Context
• J. M. Onumah & S. N. Y. Simpson ADMIN 412 Public Sector Accounting Manual

Research Activities/Papers
Joint Activities with Mr Ibrahim Bedi
• Assessing the Threats to the Independence of Local Audit Firms
• The Usage of Computer-aided Tools by Auditors in Ghana

Conferences/Workshops/Seminars
Conference organized by Department of Business Studies, Valley View University, at Marina Hotel, Dodowa, 26th – 28th January, Theme: “Accounting Education in the 21st Century”

Aboagye-Otchere, F
Publications/Papers Presented
Research Activities
• An Evaluation of the Factors Affecting Taxation of the Informal Sector in Ghana
• Stakeholder Perception of Corporate Social Disclosures in Annual Reports: Evidence from Ghana

Bedi, I
Published Books
• Auditing & Assurance Services in Ghana; 2009, Voyage Publishing Co .Ltd., ISBN: 978-9988-1-1845-0
• Admn 306 Auditing, 2010. Centre for Distance Education (Institute of Continuing & Distance Education, UG, Legon)

Research Activities/Papers
Joint Activities with Dr J. M. Onumah
• Assessing the Threats to the Independence of Local Audit Firms
• The Usage of Computer-aided Tools by Auditors in Ghana

STAFF LIST
Senior Staff - 5
Junior Staff - 50

DEPARTMENT OF FINANCE

PROGRAMMES OFFERED
BSc. Administration (Banking and Finance)
BSc. Administration (Insurance)
MBA (Finance)
EMBA (Finance)
MSc. Development Finance
MPhil (Finance)
MPhil (Risk Management and Insurance)

STAFFING
Academic Staff - 12
Part-Time - 7

PUBLICATIONS:
Aboagye, A.Q.Q.
• Cost Analysis and Efficiency of sub-District Health Facilities in Two Districts in Ghana, International Journal of Health Planning and Management 25, 1–18. [with A. N. K. Degboe].
• Are Ghanaian MFIs’ Performance Associated with Corporate Governance? Corporate Governance, vol. 10, no.3, 307-320. [with J. Oteiku].

Abor, J
• Corporate Governance and Restructuring Activities following Completed Bids of US Firms, Corporate Governance: An International Review. [with M. Graham and A. Yawson ].
Adjasi, C.K.D.

Andoh, C.

Bokpin, G.A.

Osei, K.A.

RESEARCH PROJECTS:

Abor, J.

Bokpin, G.A.

Fiawoyife, E.

Fiador, V.

Ofosu-Hene, E.D.
- Pension Reforms in Ghana

Osei, K.A.
CONFERENCES/WORKSHOPS:

Aboagye, A.Q.Q.

Abor, J.
- The Inverted - U Hypothesis For The Effect of Uncertainty on Investment: An Empirical Analysis for Ghana and South Africa, 3rd Biennial International Value Conference, Faculty of Economic and Financial Sciences, University of Johannesburg August/September. [with C. Adjasi, V. Murinde, and N. Boamah].

Adjasi, C.K.D.
- The Inverted - U Hypothesis For The Effect of Uncertainty on Investment: An Empirical Analysis for Ghana and South Africa, 3rd Biennial International Value Conference, Faculty of Economic and Financial Sciences, University of Johannesburg August/September. [with J. Abor, V. Murinde, and N. Boamah].
- Underpricing of Initial Public Offerings (IPOs) on African markets Value 2010 Conference 30 August to September 1, 2010 in Johannesburg South Africa [with K. A. Osei, and E. Fiawoyife]

Fiawoyife, E.
- Underpricing of Initial Public Offerings (IPOs) on African markets Value 2010 Conference 30 August to September 1, 2010 in Johannesburg South Africa [with C. Adjasi and K. A. Osei]

Fiador, V.

Ofose-Hene, E.D.
- Pension Reforms in Ghana

Osei, K.A.
- Underpricing of Initial Public Offerings (IPOs) on African markets Value 2010 Conference 30 August to September 1, 2010 in Johannesburg South Africa [with C. Adjasi and E. Fiawoyife]

VISITORS TO THE DEPARTMENT
Professor Benjamin Abugri from the Southern Connecticut State University, USA was appointed part-time lecturer in the Department of Finance for second semester of 2009/2010 academic year.
DEPARTMENT OF ORGANISATION AND HUMAN RESOURCE MANAGEMENT

OVERVIEW
The department is focused on teaching, research and extension series in the areas of HRM, organisational sciences, strategy, project management and legal issues as they relate to businesses and institutions.

Courses/Services Offered

*Undergraduate level – BSc Administration (HRM Option)*
- Company Law 1
- Human Behaviour in Organization
- Labour Law
- Introduction to Human Resource Management
- Company Law II
- Manpower Planning
- Business Policy
- Industrial Relations

*Graduate level – MBA (HRM Option)*
- Organisational Behaviour & Management
- Human Relations in Organisations
- International Human Resource Management
- Industrial Relations & Labour Law
- Advanced Business Policy and Strategy
- Change Management
- Strategic Human Resource Management
- Business Law
- Human Resource Management

*Graduate level – WMBA (HRM Option)*
- Organisational Behaviour & Management
- Human Relations in Organisations
- International Human Resource Management
- Industrial Relations & Labour Law
- Advanced Business Policy and Strategy
- Change Management
- Strategic Human Resource Management
- Business Law
- Human Resource Management

*Executive MBA*

*EMBA (HRM Option)*
- Organisational Behaviour & Management
- Human Resource Management
- Comparative Management
- Change Management & Organisational Development
- Strategic Human Resource Management
- International Human Resource Management
- Human Relations in Organisation
- Labour Law & Industrial Relations

*EMBA (Project Management Option)*
- Organisational Behaviour & Management
- Human Resource Management
- Strategic Management
- Business Environment
- Project Management
- Project Evaluation & Impact Assessment
• Total Quality Management
• ProjectProfiles

MPhil (HRM Option)
• International Human Resource Management
• Industrial Relations & Labour Law
• Advanced Business Policy and Strategy
• Change Management
• Strategic Human Resource Management
• Business Law
• Human Resource Management
• Research and 40-60,000 word dissertation

STUDENT NUMBERS
Undergraduate:
Graduate:

NUMBER OF STAFF
Academic Staff: 11
Part-time Academic Staff: 6
Non-Academic Staff: 3

PUBLICATIONS /CONFERENCES
Daniel Frimpong Ofori
BSc. Admin. Ghana 1988
MSc. Mgt. Brussels 1991
MSc. Ind. Loc & Devt Brussels 1992
PhD. Pjt Mgt. Brussels 1999

Publications
Journal Articles

Refereed Conference Presentations

Dr. Kwasi Dartey-Baah
Publications
Journal Articles

Dr. Kwesi Amponsah-Tawiah
Publications
Journal Articles

Dr. Mohammed A. Sanda:
Publications
Journal Articles

Dr. Olivia Anku-Tsede
Projects/Research in Progress
• Prudential Regulation and Microfinance Development in Ghana: The Case of Financial NGO’s.
• Institutional Framework of Susu: Empirical Evidence from Rural and Urban Ghana
• The Case of Susu: Regulating Susu in Modern day Ghana.

Mrs. Jocelyn Sackey
Publications
Journal Articles

Ms. Majoreen Aryeetey
Publications
Journal Articles

RESEARCH IN PROGRESS
• ‘Understanding Employees’ Perspective of Quality of Work Life (QWL) Indicators in Ghanaian Organizations’,
• ‘Impact of Quality of Work Life (QWL) on Employee Job Satisfaction and Work Performance in Ghanaian Organizations’

DEPARTMENT OF OPERATIONS AND MANAGEMENT INFORMATION SYSTEMS

OVERVIEW
The Department of Operations and Management Information Systems (OMIS) of the University of Ghana Business School offers post-graduate programs in Operations and MIS. The Department has no under-graduate program. It however handles all undergraduate core courses related to ICT, research methods and quantitative techniques. The mission of the Department is to train researchers as well as top and middle level managers for ICT and organizational processes management. The Department currently offers the following masters programs: MPhil in Management Information Systems, MPhil in Operations Management, and MBA in Management Information Systems. Faculty research interest cuts across various areas of ICTs and their interactions with organizations and society as well as design, development and evaluation of organizational processes.

PROGRAMME AND COURSES OFFERED
The Department offered Under graduate, MBA and MPhil

TOTAL NUMBER OF STUDENTS
MBA Students 20
MPhil Students 7
WEEKEND MBA Students 15

42
STAFFING
Academic Staff  5
Part -Time Lecturers  3
Non - Academic Staff   2

PUBLICATIONS
Dr. John Effah
Journal
• Effah, J. (under review), Mobilizing Culture for e-business in developing countries: an actor-network theory account, Electronic Journal of Information Systems in Developing countries.

Conference Proceedings Publications
• Effah, J. (2010), Tracing the innovation process of an online payment system in Ghana: actor-network theory, British Academy of Management (BAM) Conference. University of Sheffield, UK.
• Effah, J. & Light, B. (2009), Understanding SME E-Business Challenges in Developing Countries: The Case of Dot.coms in Ghana, British Academy of Management (BAM) Conference. University of Brighton, UK

Book Chapter

Mr. Ebenezer Afari-Kumah
Journals

Dr. Francis Banuro
Journals

Dr. Richard Boateng
Journal Articles

• Longe, O., Boateng, R., Longe F. and Olatubosun (2010). Information & Communication Technology Adoption among Adults in South Western Nigeria: An Assessment of Usage-Phobia Factors, Journal of Information Technology Impact, 10(2), 65-86. [ERA (Excellence in Research Assessment for Australia), ACPHIS Rank B]

**Forthcoming Journal Article**

**Book Publications**
• Boateng, R. (2011). When the lights go out... A Resource-Based Theory Analysis of E-commerce in Developing Countries: The Case of Ghanaian Firms, Ghana: PearlRichards Foundation and Craft Concepts.

**Book Chapters**

**Conference Proceedings Publications**

**Dr. Erasmus Addae**

**Journal Publications**
Published Journal Editorials

• Addae, E. (2010). Making the case for Desktop video conferencing tools for faculty and staff training by educational institutions in the developing world [Editorial]. Journal of Educational Computing and Instructional Technology (1) March, (pp. v-vi)

Conference and Workshops


DEPARTMENT OF MARKETING AND CUSTOMER MANAGEMENT

OVERVIEW

The Department of Marketing and Customer Management at the University of Ghana Business School was established in 2004. In line with the vision of the University of Ghana, it is a University Department providing marketing and customer management education at the undergraduate and postgraduate levels. The Department offers courses at the Bachelor of Science, MBA, MPhil and PhD levels. The Department is an innovative unit that continues to define its mission around the creation of world class marketing personnel for the public, private, and not-for-profit sectors in Ghana.

COURSE

Programmes and Courses Offered
Undergraduate, MBA and MPhil

Total Number of Students
Undergraduates - 1,060
MBA (Regular) - 35
MBA (Weekend) - 81
MPhil - 22

STAFFING

Academic Staff - 9
Non-Academic Staff - 2

Visiting Professor/Lecturer (2010-2011)

• Professor Nnamdi Madichie (University of Sharjah)
• Professor Temi Abimbola (University of Warwick)
• Professor David Abdulai (University of South Africa)
• Hennie Visser (Visiting Lecturer – UNISA, South Africa)

JOURNAL PUBLICATIONS

Professor Robert E. Hinson

• Hinson, R. (2011) “Corporate Social Responsibility (CSR) reportage on websites and in annual reports: The Case of CAL Bank in Ghana” Corporate Ownership and Control, Vol. 8, No. 2 pp 190-202

Ernest Yaw Tweneboah-Koduah

Mohammed Mahmoud

Dr. Adelaide Kastner

Dr. Bedman Narteh

Dr. Samuel Buame
Prince Kodua

CONFERENCES
Professor Robert Hinson

Mahama Braimah

Dr. Bedman Narteh

Dr. Daniel Quaye