



UNIVERSITY OF NAIROBI



2011 Annual Report



OUR VISION

A world-class university committed to scholarly excellence.

OUR MISSION

To provide quality university education and training and to embody the aspirations of the Kenyan people and the global community through the creation, preservation, integration, transmission and utilization of knowledge.

OUR CORE VALUES

- freedom of thought and expression;
 - innovativeness and creativity;
 - good corporate governance;
 - team spirit and teamwork;
 - professionalism;
 - quality customer service;
 - responsible corporate citizenship and strong social responsibility;
 - respect for and conservation of the environment.
-

2011 Annual Report



THE UNIVERSITY OF NAIROBI COUNCIL



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Foreword

The 2011 University of Nairobi Annual Report continues the commitment made two years ago by the University to capture the main activities of academic departments and administrative units on an annual basis. This Report therefore has outlined activities at the School/Faculty/Institute level.

The Annual Report has outlined programmes on offer, admission statistics, graduation statistics, research links and collaboration, papers presented at international meetings, publications, corporate social responsibility activities and the financial statement. In this way, the University envisages providing an account of itself within its stated mandate of Research, Teaching, Consultancy and Corporate Social Responsibility. We also highlight the ICT infrastructural position of the University as well as the financial status of the august institution – which have enabled the University to carry out its activities and live up to its motto “Unitate et labore”.

The pictorial section reads like a who is who, in respect to distinguished personalities who interacted with UoN in the past year. We hope that Annual Report 2011 highlights interests our stakeholders.

PUBLISHED BY

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MESSAGE

VICE-CHANCELLOR



PROF. GEORGE A. O. MAGOHA

The 2011 Annual Report captures the events of the year including research highlights, intellectual discourse, physical infrastructure development, finances, publications by staff and the collaborations and links established.

The Report therefore reflects the commitment and determination of the University to achieve

world class excellence, despite the hurdles occasioned by economic down turn and its impact on recurrent funding from the Exchequer. The University is clear in its resolve to discharge its mandate as the leading institute of higher education in the country.

The University continued to offer education and training to meet the needs and aspirations of the Kenyan people, as evident in the highlights of academic programmes undertaken in the colleges and units of the University. Our programmes remain critical in the wake of global economic crisis that threatens the socio-economic growth of any developing nation.

Further, as part of world trends and practices, the Report carries detailed information on the University's financial performance during the year, providing a summary of the state of health of the University as a corporate entity.

The Report notes that while there was prudent management of the human, material and financial resources; the loyalty and commitment of staff was critical in enabling the University to discharge its mandate.

We invite you first to read the Report, and then, to provide feedback on the issue covered, this is particularly important to help us to improve service delivery to our stakeholders and to maintain an effective corporate management structure.

CHANCELLOR AND OTHER PRINCIPAL OFFICERS OF THE UNIVERSITY



Mr. John P.N. Simba
Chairman, University Council



Dr. Joseph B. Wanjui
Chancellor



Prof. George A.O. Magoha
Vice-Chancellor



Prof. Jacob T. Kaimenyi
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Prof. Bernard N.K. Njoroge
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Prof. Isaac O. Jumba
Deputy Principal, Kenya Science
Campus



Prof. Peter K'Obonyo
Deputy Principal, CHSS

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Veterinary Medicine



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Design



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Dean, School of Engineering



D. M. Maina
Director, Institute of
Nuclear Science & Technology



Prof. L. Njenga
Dean, School of Physical Sciences
(Ag.)



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Director, School of
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Coordinator, Centre for
Biotechnology & Bioinformatics



Dr. J. Were
Director, School of
Mathematics



Dr. E.M.W. Akunda
Director, School of Biological
Sciences



Prof. G. Wanjala
Dean, School of Education



Dr. H. Kidombo
Dean, School of Continuing
& Distance Education (Ag.)



Mr. J. Odumbe
Coordinator, Open and
Distance Learning Center



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Dean, School of Medicine



Prof. A. Guantai
Dean, School of Pharmacy



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School of Public Health



Dr. E. G. Wagaiyu, Dean,
School of Dental Sciences



Dr. G.M. Omoni
Director, School of Nursing
Sciences (Ag.)



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Director, UNITID

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Special Students Advisor



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Director, Board of Common
Undergraduate Courses



Prof. E. Mutitu,
Director, Board of
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Prof. S. Mitema
Director, Centre for International
Programmes and Linkages



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Director, Information,
Communication &
Technology Center



Mr. M. Karue
Finance Officer



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Mrs. E. G. Ongwae
Administration Registrar (Ag.)



Mr. W. J. Asilla
Planning Registrar (Ag)



Ms. M. Lugonzo Registrar,
Student Affairs (Ag)



Mrs. B. Wanjala
Registrar, Research, Production
and Extension (Ag)



Mrs. S. Munavu
University Librarian



Dr.(Fr) D. Wamugunda
Dean of Students.

1.00 Central Administration

ACADEMIC DIVISION

The Academic Division comprises the following sections: academic registrar's office, examinations office, admissions office, and deans/senate secretariat. The functions of the Division include: preparation of syllabus and regulations, co-ordination of examinations, undergraduate students admissions, academic staff development, and management of student records.

Admissions

In 2011, the University admitted the following number of students, as per the Senate approved admission schedules of January, May and September.

Year	2011		
	Male	Female	Total
Certificates	44	47	91
Diplomas	3,086	1,968	5,054
Undergraduate	27,455	16,888	44,343
Post Graduate Dip	121	38	159
Masters	7,311	4,698	12,009
PhD	183	73	256
			61,912

Graduation

In 2011, 10,147 graduands were awarded diplomas and, conferred with degrees of the University of Nairobi.

Examination Disciplinary/Appeal Cases

In 2011, the Examination Center completed 69 examinations disciplinary/appeal cases and communicated the results to the affected students within an average of 8 days from the date of the Senate recommendation.

Programmes

In 2011, Senate approved the following academic programmes:

- Bachelor of Science in Computer Science
- Bachelor of Science in Leather Science and Technology
- Bachelor of Science in Fisheries and Aquaculture

Management.

- Bachelor of Science in Marine Biodiversity, Conservation and Fisheries Management.
- Certificate in Meat Hygiene and Quality Assurance.
- Master of Science in Parasitology
- Master of Science in Entomology
- Diploma (ECE) (SEUCO)
- B.Ed.(Science) (SEUCO)
- B.Ed(ECE) (SEUCO)
- Master of Education(ECE) (SEUCO)
- Master of Education(Comparative Education) (SEUCO)
- Master of Education(Curriculum Studies) (SEUCO)
- Master of Education(Economics of Education) (SEUCO)
- Master of Education (Educational Administration) (SEUCO)
- Master of Education (Educational Planning) (SEUCO)
- Master of Education(History of Education) (SEUCO)
- Master of Education(Sociology of Education) (SEUCO)
- Master of Education(Educational Psychology) (SEUCO)
- Master of Education(Measurement and Evaluation) (SEUCO)
- Postgraduate Diploma in Education(SEUCO)
- Master of Science(Comparative Animal Physiology)(SEUCO)
- Master of Science (Reproductive Biology) (SEUCO)
- Bachelor of Philosophy in Technology (Construction Management) (KPUC).
- Bachelor of Philosophy in Technology (Surveying Technology)(KPUC)).
- Bachelor of Philosophy in Technology (Geoinformation Technology)(KPUC).

In addition, Senate approved the revised regulations and syllabus for the following programmes:

- Bachelor of Science in Food Science and Technology;
- Master of Science in Climate Change;.
- Master of Pharmacy in Industrial Pharmacy.

Senate also approved the establishment of the Institute for Climate Change and Adaptation.

The Academic Division coordinated the participation of the University of Nairobi at the 9th Exhibition of Kenyan Universities held at Golf Hotel, Kakamega between 17th and 19th March 2011. The forum provided a good opportunity for the University of Nairobi to market its programmes in Western Kenya. The demand for more University of Nairobi programmes in the region also went up.

The Academic Division also coordinated the University of Nairobi Open day which was held between 1st and 2nd April, 2011 at the Main Campus. The event attracted thousands of students from high schools, parents and members of the public.

Future Projections

The Academic Division seeks to foster closer working relationships with industry, increase the number of foreign undergraduate students and improve on the University's visibility worldwide. To this end, the Division will hold discussions and invite comments from chief executive offices and experts on various academic programmes management issues and participate in strategic careers and exhibition forums to market our programmes.

BOARD OF POSTGRADUATE STUDIES

Introduction

The Board of Postgraduate Studies (BPS) was established in 1985 in accordance with Statute XX of the University of Nairobi. BPS is answerable to the University Senate with respect to the conduct of postgraduate studies throughout the University.

Updates

In line with our commitment to ISO 9001:2008, BPS continued to improve and work on identified non-conformities. During the 2010/2011 contract period of the Performance Contract, the BPS was rated number 8 out of 19, which is an improvement from the previous position of number 14.

In 2011, the postgraduate student population stood at over 13,000 students. In order to manage this large number of students effectively and efficiently, one of the measures BPS took was to develop an improved student management information system (SMIS).

To ensure that UoN remains at the forefront in graduate training, research and service, we were very active in ensuring that new and relevant programmes are approved by Senate. In 2011 therefore, 26 new programmes were approved by Senate, some of these programmes included: Master of Science in Health Economics, Master of Science in Fisheries Resource Management, Master of Science in Agro Forestry, Master of Science in Soil Science and Master of Arts in Human Rights. 34 programmes were revised; among them: Doctor of Philosophy in Economics, Master of Science in Medical Statistics, Master of Arts in Geomorphology, Master of Arts in Urban Geography and Master of Arts in Agricultural Geography.

In the 2010/2011 academic year, the joint BPS and Deans/Directors meeting allocated 112 University of Nairobi scholarships and five Sasakawa scholarships. BPS also participated in the national DAAD forum for scholarship distribution.

Our graduate programmes stand out in the country and region. To enhance this further, BPS was involved in intensive marketing of its programmes locally and regionally, for instance BPS participated in the Commission for Higher Education (CHE) exhibition in Kakamega and the international universities exhibition in Sarit Centre, respectively.

Challenges

The Board faces many challenges in carrying out its mandate, some of these include: Inadequate staff to effectively and efficiently manage the administrative aspects of a growing postgraduate student population which now stands at 13,000; inadequate funds for postgraduate scholarships; Lack of emergency exits; and insufficient office and storage space.

Future projections

The Board is liaising with the ICT website team to set up its own website with in-links. Arrangements are being made to acquire modern photographic equipment to enable the processing of new postgraduate student identity cards with secure features.

The Board intends to intensify its prominent profile in graduate studies by enhancing the face to face mode of delivery with open and distance learning (ODL). This mode of learning is slowly gaining importance in the postgraduate arena.

The Board is also focused on improving and expanding its services to maintain its position as a world class centre for postgraduate studies. The elevation of BPS to a Graduate School will greatly improve the standing of postgraduate training at the University of Nairobi and will ensure competitiveness at national, regional and international level.

ADMINISTRATION DIVISION

Introduction

The Administration Division is responsible for general administration and human resources management in the University. The role of the division is to attract, develop and maintain high caliber qualified staff. The division is divided into two main sections: personnel and recruitment and training section.

Achievements

In the year under review, the division maintained good relationship with the three Unions, i.e. UNTESU, UASU and KUDHEIHA.

The division coordinated various training programmes for staff aimed at enhancing staff performance including staff training and development fund award for 60 recipients. 58 members of staff were supported to attend workshops and seminars.

The division also coordinated ISO activities in the University including two internal quality audits, one surveillance and one recertification audit by the Kenya Bureau of Standards (KEBS).

Online Performance Management Appraisal System (OPMAS) was implemented in the division. The system increased efficiency in performance appraisal processing and it is envisaged that the system will be embraced by the remaining units in Central Administration and the Colleges, especially after staff training on the use of the system has been cascaded.

Future Projections

It is projected that performance management appraisal shall be processed online, during the year 2012.

Staff Statistics for 2011

In 2011, the division recorded the following statistics:

Appointments	354
Retirement	20
Death	6
Resignation	51

Summary of staff count by grade and gender

GRADE	MALE	FEMALE	TOTALS
VICE-CHANCELLOR	1	0	1
DEPUTY VICE CHANCELLOR	3	1	4
PRINCIPALS	5	1	6
DEPUTY PRINCIPAL	2	0	2
PROFESSORS & EQUIV.	99	13	112
ASSOC. PROF. & EQUIV.	203	42	245
SEN. LECT. & EQUIV.	301	106	407
LECTURER & EQUIV.	611	235	846
F	0	8	8
E/F	52	28	80
D/E/F	174	136	310
E	0	19	19
ASS. LECT. & EQUIV.	39	19	58
TUTORIAL FELL. & EQU	109	74	183
D	14	40	54
C/D	56	21	77
C	5	47	52
B/C	2	10	12
A/B/C	193	96	289
B	8	71	79
A/B	93	55	148
A	26	130	156
III/IV/ABC	0	0	0
IV	131	42	173
III/IV	2	3	5
III	189	77	266
II	207	118	325
I	35	20	45
CONTRACT	840	567	1407
TOTALS	3390	1979	5369

BOARD OF COMMON UNDERGRADUATE COURSES (BCUC)

Introduction

The Board of Common Undergraduate Courses (BCUC) is one of the University's multidisciplinary departments. It offers courses to all undergraduate students across the board, regardless of the degree programme that a student is enrolled in. These unique courses are effectively called "Common Undergraduate Courses".

The combination of the three courses that a student must study is such that by the end of the programme, a student from the sciences will have studied two common undergraduate courses from the humanities and one from the sciences. Similarly, a student from the humanities will have studied two common undergraduate courses from the sciences and one from the humanities.

The aim is to produce graduates who are holistic, well-rounded and who are able to command a general understanding of cross-cutting issues that affect society. It is expected that such a graduate will have an open mind and will be looking at life more broadly beyond his/her profession.

Updates

During the year BCUC conducted its examinations throughout the University in the two semesters' tradition. We are happy to report that there were no negative incidences in the administration of the examinations in HIV and AIDS common course. This has been attributed to the role played by the satellite office that BCUC set up at the School of Public Health to support the coordinator, in the management of this course.

BCUC was given a chance to exhibit at The Commission for Higher Education (CHE) Exhibition held at the Golf Hotel, Kakamega between March 17 and 19, 2011 and during the

University of Nairobi's Open Day on April 1 and 2, 2011. We were able to explain the meaning of and the need for common undergraduate courses.

Challenges

The Board faced many challenges including the need to improve the staff and office capacity of the course coordinator, and to maintain the system for teaching and examinations.

Way Forward

BCUC has been working with the Centre for Open and Distance Learning (CODL) on the of writing a teaching module for the common course ,HIV&AIDS.

When complete, the module is expected to improve on the efficiency of delivering the course to both residential and distance learning students.

The teaching and examinations of common undergraduate courses follows the general academic calendar. The only difference being that the common courses are one-off semester courses and therefore, the teaching takes place in one semester and students sit a final examination in that same semester. In 2011, teaching and examinations of all common undergraduate courses were on schedule, except in some isolated cases where missed lessons were reported and resolved.

STUDENT WELFARE AUTHORITY

Introduction

The Students Welfare Authority is the hospitality wing of the University. The Unit's core business to provide a comprehensive, competent, and responsible catering and accommodation system for students.

Updates

In 2011, SWA Management realized Ksh. 221 million from its operations i.e. catering and accommodation together with its Income Generating Activities (IGUs). With these resources in place, SWA was able to accomplish the external painting of halls 4, 6 and 7, renovated the CCU Cafeteria, ceramic tiling of SMU offices in Lower State House, burglar proofing of Maseno and Kapenguria Halls, laying of slabs around the kitchen in Lower Kabete, replacement of slabs around the Halls of Residence in Parklands and partial completion of the car park at Hall 13.

In relation to embracing technology, SWA commenced the development of the Catering Management Information System, in addition to using online services for Halls Administration (HAMIS), Online Leave Application System (OLAPIS) and Financial Management Information System (FINS)

Challenges

In 2011, SWA faced challenges including the rise in the prices of commodities against constant pricing in accommodation and catering, inadequate human resources, limited financial resources, and inadequate bed space.

CENTRE FOR INTERNATIONAL PROGRAMMES & LINKS

Introduction

The Center for International Programmes and Links (CIPL) was established in 2002 under Statute XVII of the University of Nairobi. In

2011, CIPL under the current re-organization of the top management offices was placed in division of the Deputy Vice-Chancellor, Research, Production and Extension (RPE)

CIPL is charged with the responsibility of initiating, promoting, facilitating and coordinating international programmes and links, staff and student exchanges and mobility, collaborative research projects and worldwide networking. The Centre acts as the window for internationalization of the University of Nairobi.

The Centre improved in its ranking in performance contracting within the University by emerging position four out of 19 departments in the Central Administration. In 2011, the Centre signed 50 Memorandum of Understanding (MOU) with other academic institutions and nine with industry. These MOUs resulted in successful projects such as: training of postgraduate students, master's dissertations, clinical research, several scholarships and research grants, support of honorary lecturers, publication of books, consultancy services, student and staff exchanges, among others.

CIPL's mandate is to facilitate collaboration between the University of Nairobi and International institutions or organizations, for staff and students to study in foreign institutions. In 2011, 10 students and five staff





Visiting international students take to the stage with their local counterparts. Facing page: students from Germany with AIESEC Members.

were facilitated to study abroad. In addition, CIPL facilitated one Master's student to study in Malmo University, one PhD staff registered on a sandwich programme at the University of Complutense, Spain, while two administrative staff, attended short term training to acquire specialized skills, at Malmo University, Sweden and University of Porto, Portugal, with funding from the European Commission, under the Erasmus Mundus 1 Programme.

Two visiting professors from Europe, Prof. Thilo Becker from Technische Universitat Darmstadt, and Prof. Miguel Rui Martins from University of Porto, Portugal were involved in some teaching and exchange of scholarly ideas for one month at the School of Engineering, and Dental School, respectively. The UoN, as a member of the Erasmus Mundus 1, received 5.9 million US dollars and a donation of materials and equipment for the School of Dental Sciences.

CIPL also facilitated nine fundraising initiatives that resulted in a number of scholarships, grants and student exchanges including: Volda University from Norway, Soka University from Japan, Kalamazoo College from USA, African Economic Research Consortium(\$ 14,700.00) , German Studies Programme, Education International (EI), Commonwealth Scholarships and Erasmus Mundus 1 programme(5.9 million €).

Student matters

CIPL facilitated the enrolment of 708 international students in various programmes.

Accommodation for foreign students continued to be a challenge, even as the University Management Board approved 150 bed spaces for foreign students.

The Centre successfully facilitated the South Sudanese Students' Independence celebrations and get together function held on Saturday 19th November 2011 and the 5th International Students' Day held on Friday 25th November 2011.

Strategic Issues/Challenges

In 2011, CIPL developed and implemented a feedback mechanism for ensuring that MOUs are complied with. However, the Centre faces the challenge of facilitating and coordinating all international projects due to inadequate staff and funding of the Centre.

There is also need for better signage and visibility of CIPL office to all clients.

Way forward

CIPL will continue to demand full disclosure of all international projects going on in department/schools from the respective Deans/Directors. In this connection, the Centre posted the MOU monitoring questionnaire on the UoN intranet to ensure compliance with the provisions of MOU's and agreements by various colleges /faculties/institutes/centres/ departments.

All the activities and programmes facilitated by the Center for International Programmes and Links will be posted on the University website.

CONSTRUCTION AND MANAGEMENT

In 2011, the Department had the following focus: to develop and maintain adequate state-of-the-art physical facilities; enhance ICT facilities and utilization, focus on customer satisfaction and to increase office and learning space.

In 2011, the department undertook the following projects:

Project	Brief Introduction	Estimated Contract Amount	Updates
University of Nairobi Towers	Provision of state-of-the-art lecture theatres and administrative offices	1.2Billion	Design process and preparation of tender documents in progress by the consultants. Ground breaking expected in July, 2012.
Construction of School of Pharmacy	Provide lecture theatres, office spaces	152Million	Construction in progress, at 20 per cent completion level
Lecture Theatre and Science laboratories at Kenya Science	Provision of learning facilities and laboratories	239Million	Construction completed and facility in use
Construction of Human Anatomy Annex at Chiromo	Provision of learning facilities and income generation for the University	43Million	Facility in use
Construction of sewerage treatment plant at Lower Kabete Campus	Provide own/unshared sewer treatment plant for lower kabete campus	139Million	Construction in progress
Construction of SEMIs Seed Processing facilities	Provision of learning facilities	97Million	Contract awarded. Construction to commence soon.
Construction of Kisumu Campus complex	Provision of adequate learning facilities (Lecture rooms, office space, library, bookstore) at Kisumu	91Million	Contract award awaited soon
Development of Extra Mural Centre at Kasarani	Provision of learning and sporting facilities	1.3Billion	Expanded learning facilities
Refurbishment of Agriculture Building	Increased lecture rooms and offices	23Million	Facility complete and in use
Provision of 500KVA generator at Lower and Upper Kabete campus	Enhance learning conditions	30Million	Installation completed
Drilling and equipping of Boreholes at - Kikuyu campus, CCU, Lower and Upper Kabete campuses	Provision of adequate water supply	55Million	Completion level at 85 per cent

The proposed Green University of Nairobi towers that will house increased academic and administrative activities. It will also assert and affirm the University as the leader in architectural thought, innovation and champion towards the provision of environmentally friendly solutions.

OFFICE OF THE DEAN OF STUDENTS

The office of the Dean of Students is primarily concerned with student affairs, to help address the holistic growth, development and well being of students. Dealing with these responsibilities requires a multi-disciplinary task force. Consequently the office is staffed with experienced professionals of diverse backgrounds, and is headed by the Dean of Students. Staff includes a placement officer, counseling psychologists/ counselors,



The University of Nairobi Choir in a past performance.

chaplains, assistant deans of students and administrative and support staff.

In 2011, the office encouraged students' positive involvement in internal and external events and programmes, by planning and facilitating activities with them that enhanced their professional and personal well-being, seeking to nurture the right values, strong social responsibility and responsible citizenship. Part of such activity included: facilitating programmes to develop student leadership skills, giving students awareness on topical issues such as HIV/AIDS and careers, supporting student participation in projects that encourage innovativeness and creativity, including a positive interaction with the community and the environment.

The office also addressed issues pertaining to students with disability, and disseminated up-to-date information in general to the University specific to the office.

In 2011, the placement office organized 21 career talks, attended by approximately 4000 students Organizations giving these talks included: Nation Media Group, East African Breweries, Microsoft, World Bank, CITI Bank, Kenya ICT Board, Unilever, PWC, Bamburi Cement, Equity Bank, KASNEB, NSSF, Housing Finance, BAT, PKF, General Electric Company. Our students got attachments in various organizations including United Nations Office. In Nairobi (UNON); ICRAF, CFC, Maersk International, TNT, Bamburi, varied banks, including Cooperative Bank, Barclays, and KCB, as well as employment opportunities in varied government bodies.

In 2011, the Muslim chaplaincy facilitated the Annual Quran recitation competition at the 8-4-4 hall. During this competition, students participated in reciting and memorizing the Quran, while the Muslims Students Association of University of Nairobi (MSAUN) provided gifts for the winners of the competition. In 2011, Muslim students at the Medical School organized a medical camp in Dujis.

In 2011, The Office of the Dean of Students, was fully engaged in the task of transforming the university environment to ensure that gifted and deserving students with disability have an equal opportunity to acquire education and as much as possible participate in the various aspects of university life. This included facilitating access to university buildings, providing services, awareness activities and advocating for accommodating university policies and procedures. The following support services were available: suitable accommodation for students with disability, provision of disability aids such as hearing aids, sign language training and interpreter services for the hearing impaired, Braille services and printed material in alternative formats for the visually impaired.

Challenges, recommendations and future plans

In order to enhance the world class status of the University of Nairobi the following are some recommendations and future plans

- The student population has increased considerably in the past few years and yet the number of counsellors has not. This limits the outreach and impact of counselling and its related services. Therefore, there is need to increase appropriate staff in this office, especially student peer counsellors in each campus. There is still a greater focus on module 1 students who readily receive information and varied services from this office. Students in other modules do not readily receive this information and are therefore not often aware of the existence of services offered by the office of the Dean of Students. There is need to increase the number of materials published and further, post information concerning this office and its services on the University intranet.
- Facilitating student activities such as training e.g. for student peer counsellors, varied workshops, retreats, trips, religious services, liturgical celebrations, proposed library for spiritual nourishment at the chaplaincy and proper career services, encouraging greater intercampus, regional links in matters of faith and other useful activities, equipping catholic student campus offices and prayer rooms/chapels as well as the remuneration for various persons and students for their work and effort towards this development of students sometimes requires external and numerous resources, accessing these is often a great challenge.
- Muslim students in the main campus need a place for prayer. Currently, Muslim students pray on the open grounds, which is inconvenient for Muslim female students. Some proposals have been made for the designation of a prayer place for Muslim students.
- Increase number of sign language interpreters.
- Need for chaplaincy based professional counsellors to add to the four already active in voluntary student counselling
- Implementation of the action plan for disabilities, developed in 2004
- Admission forms to the University should include disability issues to help streamline the services provided.
- Address job placement issues for planning and other purposes such as the number of our students employed each year and by whom. In particular address work placement issues for students with disabilities as the latter remains a major challenge.

ESTATES DEPARTMENT

Introduction

The Estates Department is charged with the responsibility of managing the University's physical assets, spread out in all the campuses, as well as in several regions of the country. These physical assets include land, buildings, housing, lecture halls and classrooms, laboratories, libraries, student's hostels, etc.

Achievements

In 2011, all internal security team and caretaker staff was trained in fire fighting and safety measures, fire assembly points were clearly designated and marked in all campuses. The department ensured that "no smoking" and fire exits were marked, further, all firefighting equipment was serviced periodically as per maintenance schedules.

Most of the buildings were connected to a generator system to solve the problem of power outage.

Future Projects

It is projected that all parcels of land belonging to the University will have title documents by the end of 2012.

INFORMATION AND COMMUNICATIONS TECHNOLOGY

Introduction

In 2011, besides the traditional functions of providing connectivity, systems development, user support, and telephony, ICT embarked on innovative projects that are improving service delivery.

Wifi hotspots enabled our students to access online resources beyond normal lab hours with the busiest time being between 6pm and 11pm. The SMIS was extended to allow online room booking and direct receipting thus reducing queues experienced previously in manual receipting.

The number of PCs purchased through the ICT centre in 2011 was 900, half of which were procured by various departments in the University. The idea was to facilitate discounts through bulk purchases, introduce standardisation in the computing facilities, and benefit from collective after sales services.

The University continued to automate its functions to increase productivity and enhance

efficiency in its operations. The ICT centre had a portfolio of computer based Information systems that support administrative services, teaching, research and learning, with a vast majority being developed in-house.

University rankings

Ranking of universities and research institutions using their websites has become a common practice. The University of Nairobi has been monitoring her performance on Webometrics and 4ICU rankings. The University system of websites is continuously being updated at the faculty/institute/departmental levels. The content has been enriched and the design improved.

Webometrics ranking is among the first ranking that considered ranking world universities based on their websites. The University of Nairobi has steadily improved in its performance since 2004 when the first Webometrics ranking was released. In January 2012, UoN was ranked 17th in Africa, and 1st in Kenya.

The following table indicates UoN ranking since 2009

RANKING	AFRIC RANK	WORLD RANK	WORLD POSITION IN			
			SIZE	VISIBILITY	RICH FILES	SCHOLAR
Jan 2009	29	4,046	3,069	5,413		3,839
July 2009	24	4,467	2,490	7,001	4,327	3,711
Jan 2010	28	3,897	3,136	4,679	4,363	4,104
Jul 2010	26	3,190	1,905	4,119	3,447	3,809
Jan 2011	27	3,136	1,976	4,335	3,310	4,382
Jul 2011	26	2,452	2,045	4,215	4,942	1,706
Jan 2012	17	1,367	631	1,794	2,761	1,724

INTERNET BANDWIDTH USAGE

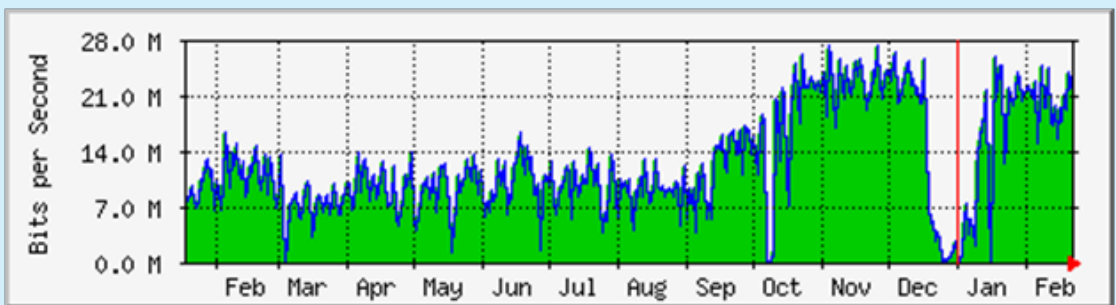
UoN expects to achieve the recommended target of 5 Mbps shared bandwidth per 1,000 students. This translates to a minimum of 250 Mbps for the University where the current student population is approximately 54,000. Currently, UoN consumes an average of 176 Mbps through the Kenya Education Network Trust (KENET).

Two key measures were put in place ensure that the UoN community fully utilises the current bandwidth. The inter-campus routing capacity was upgraded to ensure improved access to the shared internet bandwidth. Wireless internet access points (hotspots) were also put

up in the JKML library, selected student halls of residences, Chiromo Campus, and Lower Kabete to maximize off peak hours utilization.

Wireless internet provided access to the internet beyond normal computer lab hours. This enabled our students to access the university online resources and the internet from the hotspots any time of the day, using the now common chemiweb and chemichemi Service Set Identifiers (SSIDs). A wiki page was also provided: <http://wiki.uonbi.ac.ke> where staff and students could access information on how to configure their gadgets, self-provisioning, acceptable use policy, and usage tips of this great resource.

Wifi bandwidth utilisation for 2011



Lan And Wan Extensions

The User Support Section has consistently been involved in local and wide area network extension projects. These projects provide more users with connectivity to the UoN network. The School of the Built Environment had a network upgrade that saw an additional 468 data access points installed. At Kenya Science, the lecture theater network extension project added 120 data access points.

Strategic issues

Server farm upgrade

The Center is in the process of upgrading the Intranet Database Servers and Associated Storage. This project seeks to increase the University's computing capacity for automation of business process commensurate

with the rising demand. The project includes the supply, installation and commissioning of database servers, application servers, storage switches and storage arrays.

The project is meant to increase the current computing power and provide an agile, high availability database, application and storage platform for the University's MIS applications. This will ensure adequate capacity for the university's automated business processes, ease of growth and guarantee data security and integrity.

CHS and CEES Wifi projects

ICT Centre plans to roll out wireless internet connection in College of Health Sciences (CHS) and College of Education and External Studies (CEES). In CEES, ICT Center will partner with

Kenya Education Network (KENET).

Kisii, Meru and Garissa Extra Mural LAN

Connectivity of extra mural centers in Meru, Garissa, and Kisii to the UoN network is expected to be done in 2012. The target is to achieve 120 data points.

IP CCTV in examination halls

This project aims to install a centralized CCTV system in selected lecture halls across the campuses. The project is expected to end by Dec 2012.

SWA/SMU network extension

The ICT center plans to extend the UoN network to SWA/SMU and student common rooms at SWA Headquarters. The project is aimed at expanding existing wired and WIFI network coverage and is expected to be complete by December 2012.

LIBRARY DEPARTMENT

Introduction

The mission of the UoN Library is to provide quality information service that will empower the University in carrying out its core activities of teaching, learning, research, community service and consultancy.

The UoN Library system comprises the Main Library and 13 College and branch libraries spread out in various campuses of the University.

Updates and achievements

The Library had a stock of over 700,000 volumes of books and bound journals acquired through purchase and donations.

The Library subscribed to over 45,000 peer reviewed, full text, electronic journals in all disciplines. Access to e-resources was enhanced through expansion of computer laboratories and other access points throughout the University.



High School students join UoN students during the annual School of Computing open day.

The Library subscribed to 54,000 electronic books while continuing to evaluate other databases with a view to accessing additional titles.

The Library introduced a Graduate Research section in order to meet diverse needs of its users in all the six College Libraries and to provide specialized resources and services for high level research.

The Library website was revamped to enhance access to E-resources including e-books, open access sources and subscribed sources. Following this undertaking, there was a notable raise in users as monitored through the website. Further, the Library held a successful Open Day/Open Access Week. The aim of the open day was to create awareness on Library resources, and to promote access to free global open access resources.

The Information Literacy training programmes were continued in all campuses to enhance user competence in utilizing electronic resources. These involved both lecturers and students at all levels.

Library staff at various levels were trained through departmental and University-wide workshops and seminars. These included:

Enhancing the University's set standards of performance to realize its stated vision; training in Information infrastructure to facilitate research in academic institutions, information and knowledge management and information networking in higher learning.

The Library maintained external links with several institutions. These links enhanced accessing information resources and strengthening institutional capacity for innovative resource management, some of the institutions included: Kenya Library and Information Services Consortium (KLISC); International Network for Availability of Scientific Publications (INASP); Electronic Information for Libraries (EIFL); and, Kenya University Librarians Committee (KULC)

The University of Nairobi Library is currently the national institutional co-coordinator for KLISC, EIFL and INASP.

Challenges

- Meeting the user needs of the rapidly expanding University programmes, student numbers and outlets, while maintaining high standards
- Responding innovatively to the dynamic global technological trends and changing information user needs and delivery modes.
- Ensuring optimal utilization of resources by enhancing user competence in the University community.
- Maintaining a role in narrowing global digital divide, thereby enhancing institutional visibility in the digital age.

PLANNING DIVISION

Introduction

The Planning Division is located in the Vice-Chancellor's Office and is headed by the Registrar Planning. The Division provides support to the Vice-Chancellor's office and other related units. It boasts of taking a leading role in the enhancement of the University's visibility in community functions and the promotion of the image of the University both locally and internationally. In conjunction with other departments/units, the Division plays a pivotal role in ensuring successful preparations of annual University of Nairobi graduation ceremonies and regular participation in national agricultural shows.

Updates and achievements

The Division coordinated and facilitated the following activities of the University during 2011:

- The 2011 Nairobi International Trade Fair between September 26, 2011 and October 2, 2011. The University was judged in Class 21 as the Best Institution of Higher Learning/Educational Stand;
- The 45th and 46th graduation ceremonies held on September 9, 2011 and December 2, 2011 respectively .

Strategic issues

The Division liaised with relevant units and compiled information in respect to academic programmes which had either been reviewed or newly developed for incorporation in the 2011/2012 University Academic Calendar.

The University of Nairobi brand continued to be sustained through rituals such as the NITF, University exhibitions, prize giving ceremony and graduation ceremonies.

The University image continued to be promoted through local and international publications and events.

Challenges

The process of printing the 2011/2012 Calendar has been a challenge to the extent that it has not been produced as per anticipated schedule. This has been caused by factors extraneous to the Division.

Future projections

To develop a departmental website and upload all statistical information regarding all graduates of the University of Nairobi, University exhibitions and participation in Nairobi International Fairs.

To store the information on previous and current University Academic Calendars on CDs which shall be made available on request to students, staff, collaborating partners and stakeholders.

To be more visible in the strategic planning of the University of Nairobi.



Students display trophies won during the 2011 Nairobi International Trade Fair.

UNIVERSITY PRESS

Introduction

The University of Nairobi Press (UONP) was established in 1984 as a company limited by guarantee. After it became operational in 1990, the first directors of the company identified the objectives of the company as consistent with the primary objectives of the University of Nairobi. Among the objectives of the University of Nairobi is dissemination of knowledge through publications. Hence, UONP's mandate is scholarly publishing. This portfolio makes UONP an important partner in research and dissemination of intellectual enquiry. Through its publications, UONP continued to mirror and extend the University's intellectual strength and reputation.

New titles

In the year under review the Press published three new books as follows:

- Working with Rural Communities: Participation Action Research in Kenya. By Preston Chitere and Roberta Mutiso.
- In Our Own Tongues: Poetic Voices of three Generations of African Women. By Fabu.
- Surviving the Academic Arena: My Complex Journey to the Apex. By Francis John Gichaga.

Reprints

In the year under review the Press reprinted two titles as follows:

- Mbinu za Uandishi By Jay Kitsao
- Basic Concepts of Microeconomic By C Ackello-Ogutu and J Waelti

Forthcoming books

In 2011, the Press processed the following books for release in 2012:

- Efficiency analysis of health system units in Africa
- Native son: experiences of a Kenyan entrepreneur
- The Misiri Legend Explored
- Historical reflections on Kenya: Intellectual adventurism, politics and international relations
- Applied time series econometrics
- A time for harvest: women and constitution making in Kenya

Book launches

During the year under review, the press launched one new publication:

Surviving the Academic Arena by Prof Francis John Gichaga

Exhibitions/marketing trips

In 2011, the Press undertook and attended exhibitions as follows:

In March, 2011, UONP participated in the Kenyan Universities Exhibition held at Kakamega, the University of Nairobi Open Day in April, 2011; the Nairobi International Book Fair at Sarit Centre in September, 2011, and the Nairobi International Trade Fair in October 2011.

Partnerships

In 2011, the Press maintained its links with the African Economics Research Consortium (AERC).

OFFICE OF THE SPECIAL STUDENT ADVISOR

The Office of the Special Student Advisor was created in 1992 in the aftermath of the Structural Adjustment Programme imposed by the Bretton Woods institutions. Specifically, it required the Kenya Government to introduce cost sharing in the education



First year students register for the 2011/2012 Academic year.

sector. Consequently, university students were required to pay fees for the first time in the history of higher education in Kenya.

This caused considerable disquiet among students and their parents. In particular, students from poor families faced the danger of being locked out of higher education. In the event, the government undertook to provide a safety net in form of loans and bursaries to them. For this purpose, the University of Nairobi found it necessary to establish an office that would identify such cases. However, over the years, the original mandate of the office has expanded to include providing advisory services in academic, financial and social issues. For example, it liaises with the Higher Education Loans Board on behalf of students.

In 2011, the Office investigated the background of 916 new cases, and it received KES 14, 045,000.00 from the University of Nairobi Alumni Association

and the Rattansi Educational Trust. This amount made it possible to award bursaries to 2, 489 students. Other students were directly assisted by charitable individuals and organizations.

The more desperate cases are enrolled in the Work-Study Programme where they earn some money to pay fees, while others, are afforded the opportunity of running tuck shops in the halls of residence.

Whereas the University is making every effort to ensure that no deserving student is denied the chance of getting higher education, there are explicit challenges. For example, some parents have not come to terms with the payment of fees and, hence, grudgingly do so even when they can afford it. Others, regard HELB loans as a God sent gift which they should share with their offspring. Finally, some students and their referees deliberately provide false information. But in spite of these hiccups, The University of Nairobi is committed to ensuring that it provides a safety net for genuinely needy students.

SPORTS AND GAMES DEPARTMENT

Introduction

The Department of Sports and Games is as old as the University itself dating back to the late 1960s. Currently, the Department is composed of the following members of staff: the director, two games tutors, five

assistant games tutors, two coaches, a secretary, the office assistant, the messenger-cum storekeeper, a cleaner, grounds man, five life guards and a pump attendant. The Department has four (4) officers at the Central office and an officer in each of the Colleges/Campuses.

Updates

In December, 2011, our University teams participated in the Kenya Universities Sports Association Games at Ruaraka Sports Grounds. The University was represented by a contingent of 242 students who participated successfully in rugby (men), soccer (men), hockey (men and women), handball (men and women), athletics (men and women), swimming (men and women), table tennis (men and women), basketball (men and women), scrabble (men and women), chess (men and women), karate (men), tae kwon do (men). The University of Nairobi bagged 69 medals emerging 1st overall in the women's category and 3rd overall in the men's category in the entire region.

During 2011, the Department had an elaborate inter-campuses/colleges sports programme. On top of this, the University main teams for rugby, basketball, volleyball, hockey, soccer, handball, swimming, athletics and others represented the University of Nairobi in the National League and Tournaments and the Kenya Universities Sports Association (KUSA) organized leagues.



Vice-Chancellor Prof. George Magoha receives prizes won by the University of Nairobi, rugby team "Mean Machine" from captain Mr. Cedric Odera (third left) and Acting Director Sports and Games, Mr. Mbaabu Mureithi (c).

The main objective was to identify and nurture players/athletes who represented the University in the said regional games and also to develop holistic graduates in terms of physical, social and mental health.

Strategic issues

In 2011, the Department delineated the following strategic issues: to maintain and sustain 'state of the art' sports facilities at the college and University level, to continuously procure and maintain standardized sports equipment and kits, and to increase the number of participants in sports and games.

Achievements

In 2011, the Department successfully identified talents among our students, nurtured the talents and achieved elitism in a number of students. The Department realized a wellness programme for a large number of students, and through the existing sports programmes, our students were networked to the corporate world for employment with the award of scholarships to excelling students particularly in the track athletics. The University achieved greater visibility through hosting such sports and through participation in national inter-university games and national universities athletics championship. Lastly, there was the continued development and management of sports facilities at Colleges and University level.

Among come of the challenges that the Department faced included: lack of enough office space, inadequate allocation of financial resources, lack of adequate technical and support staff at the college level.

Future projections/way forward

It is envisaged that there will be recruitment of enough technical staff to effectively render services to the growing student population, and that there will be a review of the existing structure to accommodate the Department's expansion for effective services. Ultimately, the Department hopes to establish a credible proposal to the University Management so as to offer scholarships to excelling sportsmen and sportswomen.

UNIVERSITY HEALTH SERVICES

University Health Services (UHS) is mandated to provide quality healthcare of international standard to the University community, with its daily operations being guided by the UHS Service charter

Updates

In 2011, as part of its goal to expand its services, the UHS opened two extra clinics to cover the satellite Mombasa and Kisumu Campuses. In 2011, UHS achieved the following: continuous provision of quality medical services, deployment of a senior medical officer to Upper Kabete clinic, acquisition of medical equipment for Kikuyu clinic laboratory, and establishment of an alcohol and drug abuse unit

Challenges facing UHS

UHS endeavors to provide quality health care to the University community; however, a number of challenges continued to hamper its goal. These included: limited autonomy in decision-making, rising demand for quality health care by both members of staff/ dependant and students, increasing cost of providing care, limited space with the satellite clinics operating in squeezed rooms, inadequate ambulance services, and the unavailability of radiology services.

Future projections

In order to respond to the challenges above, UHS intends to undertake: renovation of all student clinics, establish a well equipped modern theatre, purchase of well equipped ambulances, to open a radiology unit and expand laboratory services to Upper and Lower Kabete campuses, to attain some autonomy in the management of finances, procurement and personnel matters, and to review the staff establishment for health records and information technologists and nursing cadres.

200 College of Agriculture and Veterinary Sciences

FACULTY OF AGRICULTURE

The 2011 annual report highlights issues that account for the competitive advantage of the Faculty of Agriculture in the areas of agricultural training (teaching and learning) and agricultural research along the academic, strategic and adoptive sectoral agenda. Other areas that add value to the competitive advantage include agricultural information packaging, communication and application to innovation development.

In 2011, the Faculty of Agriculture re-committed itself to maintaining an open system for the assimilation of newer developments both from the external and internal environments. The Faculty continued to reorganize its programmes as well as the accompanying activities in order to produce quality graduates able to discharge their professional duties in the job-market place.

Academic Programs

In 2011, the Faculty conducted eight undergraduate degrees, four diploma, five certificate and short duration course programs. 20 post graduate programmes (Master of Science and PhD) in various disciplines were also offered.

Enrollment

In 2011, the following number of students were enrolled in various programmes:

B.Sc. Food Science & Technology	28
B.Sc. Agriculture	71
B.Sc. Range Management	26
B.Sc. Agric. Education & Extension	31
B.Sc. Agribusiness Management	28
B.Sc. Food Nutrition and Dietetics	37
B.Sc. Mgt. of Agro-ecosystems & Environment	28
B.Sc. Horticulture	29
Diploma	7
M.Sc.	92
Ph.D	14
TOTAL	391

Graduands

In 2011, the Faculty graduated the following:

B.Sc. Agriculture:	47
B.Sc. Agricultural Education & Extension:	17
B.Sc. Agribusiness Management:	26

B.Sc. Food Nutrition & Dietetics:	18
B.Sc. Food Science & Technology:	14
B.Sc. Range Management:	16
B.Sc. Mngt. of Agro-ecosystems:	12
Diploma :	7
M.Sc:	65
Ph.D:	14

Publications

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- Kunyanga C.N., Imungi, J.K., Okoth, M.W., Momanyi, C., Biesalski, H.K. and Vadivel, V. (2011). Antioxidant and antidiabetic properties of condensed tannins in acetic extract of raw and processed food ingredients from Kenya. Journal of Food Science, 76: C560-C567.
- Kunyanga C.N., Imungi, J.K., Okoth, M.W., Biesalski, H.K. and Vadivel, V. (2011). Flavonoid content of ethanolic extract of indigenous foods consumed by

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Papers presented

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- Njenga J.N., Mkangu M., Mwangi A.M., Kvalsvig J. and Zulu M. Descriptive compliance assessment in a randomized, double-blind, controlled study, Kikoneni Location, Msambweni District, Kenya). 3rd Annual INSTAPA conference, Cotonou Benin, 30th May – 3rd June 2011.



Maize infested by aflatoxin. One of the workshops held by the Faculty was to find solutions of dealing with aflatoxin.

FACULTY OF VETERINARY MEDICINE

The Faculty of Veterinary Medicine is one of the oldest faculties of the University of Nairobi having started training in diplomas in the 1940s. It later became fully a fledged Faculty offering degrees in 1962 and will be celebrating 50 years since inception, in 2012. It has produced over 2,000 undergraduate and postgraduate students.

In 2011, the Faculty had a teaching staff of 115, offering three (3) degree programs namely; Bachelor of Veterinary Medicine, B.Sc. in Biomedical Technology and B.Sc. in Wildlife Management & related options. In addition, it offered over 20 M.Sc. and PhD programmes, 1 postgraduate certificate, 1 diploma, and 1 certificate program.

Enrollment

In 2011, the Faculty enrolled students as follows:

Bachelor of Veterinary Medicine	100
B.Sc. in Wildlife Management	14
B.Sc. in Biomedical Technology	20
Dipl in Animal Health and Prod.	9
Certificate in Artificial Insemination	25

Graduands

In 2011, the faculty graduated the following:

Ph.D	6
M.Sc.	16
Bachelor of Veterinary Medicine	80
B.Sc. in Biomedical Technology	30
B.Sc. in Wildlife Management	16
Dipl in Animal Health and Prod.	13
Certificate in Artificial Insemination	8

Research Projects

In 2011, Prof. E.K. Kangethe, of the Department of Public Health, Pharmacology and Toxicology was the local partner for a project on Safe food, safe dairy products. The aim of the project is to assess the health risks associated with Mycotoxins (Aflatoxins and fumonins) contamination of maize and animal feeds. The project is a collaboration, between the University of Nairobi and MTT AgriFood Research, Finland. The Project is funded by the Ministry of Foreign Affairs, Finland. Other partners are EVIRA-Finnish Food Safety Authority, Egerton University and KARI in Kenya. The project is supporting 10 Masters students, 2 of whom are from the department. Through this project, it is expected that an ISO 17025 certified mycotoxin laboratory will be established which will have international recognition for mycotoxin analysis. The project leader is Prof. Hannu Korhonen (MTT Agrifood Research)

The Faculty established a successful tree nursery of medicinal plants at the University site at Ngong hills under the project on, 'evaluation and commercialization of medicinal plants' extracts for improved livelihoods: a case study of East Coast fever'. Funded by a World Bank grant through Kenya Agricultural Productivity (KAPP) and led by Prof. P.K. Gathumbi. From this project, medicinal plant seedlings were donated to CAVS tree planting activities and to tree planting activities in selected schools

The department established and maintained a successful botanical garden of medicinal plants at CAVS field station for conservation, teaching and recreational purposes under the project on, 'Evaluation and commercialization of medicinal plants' extracts for improved livelihoods: a case study of East Coast fever'. Funded by World bank grant through Kenya Agricultural Productivity (KAPP) led by Prof. P.K. Gathumbi.

Prof. Maingi N. implemented a research project on the diagnostic and control tools and strategies for *Taenia solium* cysticercosis'. The project was funded by ASARECA at the cost of US\$ 521,859. The collaborating institutions in the project included the University of Nairobi, Kenya as the Principal Investigator, International Livestock Research Institute (ILRI), Nairobi, Kenya, Sokoine University of Agriculture, Tanzania and Makerere University, Uganda.

The objectives of this project included the development and promotion of user-friendly diagnostic tests for *Taenia solium* cysticercosis in pigs.

The project has achieved some of the following results and impacts:

A "pen-side" field diagnosis test for infections in pigs was developed and training on the use of the test for staff from the collaborating institutions done.

Data on the epidemiology and risk factors of infection was collected from Homa bay District, Kenya. The data was presented in the Faculty of Veterinary Medicine Biennial Conference and three manuscripts have been submitted

for publication in scientific journals.

Two MSc students were trained under this project.

Dr Gitao G.C implemented a project on developing capacity for implementing innovative PPR control strategies based on the epidemiology and socio-economic aspects of the disease in the East African region. The project grant was USD 59,913 donated by Regional Universities Forum for Capacity Building in Agriculture (RUFORUM). The Collaborating Institutions are Sokoine University of Agriculture; Ministry of Livestock, Dept of Veterinary Services; FAO; Vetworks East Africa. The objectives included: to determine the serological prevalence, virus characteristics and general epidemiology of PPR, and establish risk factors that enhance disease spread, and enhance human capacity through post graduate training.

The main results and impacts are: the project is training a Phd student who is conducting a study to determine the risk factors influencing the patterns of PPR spread in Turkana District.



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Faculty activities

In 2011, the Faculty hosted the continuous professional training workshop on “advances in pest management and the role of veterinarians”. The work shop held on 16th September 2011 attracted 30 participants drawn from the department of veterinary services, private sector and faculty.

In related activities, member of staff in the the Faculty won several consultancies as follows: assessment of the effectiveness of urea sanitization of human faeces for use as manure, Kshs 1,320,000, needs assessment survey for continuous professional education in veterinary public health and development of training modules, Ksh. 2,300,000, analysis of Somaliland livestock and meat value chains, Ksh.1,828,340, analysis for pesticide residue and heavy metal levels in meat sold in Kenya, Ksh.735,000, practical training of diploma in animal health and production students in pharmacological techniques, 40,000, certificate training of personnel working in the livestock sector in Somaliland and Puntland on meat hygiene and quality assurance, USD 125,170, and consultancy to carry out toxicological studies of Permethrin pesticide, Ksh. 275,000.

Linkages and collaboration

In 2011, the Faculty was involved in the following linkages:

Pesticide Control and Products Board(PCPB), to provide toxicity testing for new pesticide

products for purposes of registration and sale in to the Kenyan market; FAO Somalia , to provide training and consultancy services for Somalia’s meat sub-sector; Addis Ababa University, University of Khartoum, Sudan University of Science and Technology (Sudan), Makerere University (Uganda) and Freie Universität, Berlin (Germany).

Development and implementation of a joint masters course in Trans-boundary Animal Disease Management - an ACP-EU Collaborative Program in Higher Education (EDULINK); Bee Keeping Station, Ministry of Livestock Development, on analysis of antibiotic and pesticide residues in honey; Department of Veterinary Services, Ministry of Livestock Development, on analysis of chemical residues in meat and training in meat inspection; Carnige-Regional Initiative in Science and Education(RISE) through African Natural Research and training Network (AFNNET), sponsoring students for Masters and PhD programs in Natural products; Meat Training Institute(MTI), Ministry of Livestock development, in training and evaluation of meat inspectors; Kenya Bureau of Standards, in development of food safety standards; International Livestock Research Institute (ILRI), in multidisciplinary joint research programs; and Kenya Veterinary Board, on development and implementation of Continuous Professional Training Workshops.

New research grants

- To enhance sustainable agricultural production and processing practices for high quality beef and chicken meat products for competitive markets for improved livelihood in the ASAL.- Funded by Kenya Productivity and Agribusiness Project (KAPAP)- Prof. Kanyari- Beef Value Chain (Total Budget- Kshs. 22,187, 290.00, Prof. Kabuage / Dr. Kuria- Chicken Value Chain- Total Budget – Kshs. 7,000,000.00
- Improvement of dairy productivity and marketing in sub-humid and pastoral

areas of Kenya through improved value chain . – Funded by Kenya Productivity and Agribusiness Project (KAPAP)- Dr. G.C. Gitao – (Total Budget- Kshs. 6,020,985.00)

Linkages established or continued

The University of Nairobi, Faculty of Veterinary Medicine and the University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania have signed an MoU for purposes of joint research projects among other collaborative activities. This initiative is as a result the visit to Romania by Prof. P.W.N. Kanyari in the month of September, 2011. At the moment, there is a visiting team of 8 scholars from the Romanian University undertaking joint research work in the Northern part of Kenya.

The fore mentioned team have brought with them the following two pieces of equipment:

- A Digital Microscope valued at KES 900,000.00
- A Stereo Microscope valued at KES 600,000.00

Continuing Professional development :

A one-Day Workshop on Veterinary Forensic Medicine was held on Wednesday 18th May 2011 in the Department of Veterinary Pathology, Microbiology and Parasitology. The participants at the workshop came from a range of disciplines, predominantly but not entirely members of the veterinary profession, with a good number of students also in attendance. Fourty people were expected but 178 registered.

The workshop consisted of presentations from speakers from different institutions including Professor John E Cooper from the UK, who is also a Visiting Professor at the department; Mrs Margaret E Cooper, also from the UK, who is a Visiting Lecturer at the Department; Mr Moses Otiende, a scientist with Kenya Wildlife Services (KWS); Mrs Jean Gilchrist from the Kenya Society for the Protection and Care of

Animals (KSPCA); Mr Laban Njoroge, Kenya Medical Research Institute; Mr Mwebi Ogeto, National Museums of Kenya (NMK), Professors P.K. Gathumbi and P.N. Nyaga and Dr P. G Mbutia from the department of veterinary Pathology Microbiology and Parasitology and Dr J.M. Mbaria from the department of Public health Pharmacology and Toxicology.

In this litigious age, veterinarians, biologists and others concerned with animals need formal teaching in forensic techniques so that evidence is correctly presented and reports are of maximum value to courts of law. Competence in these respects is important in terms of wildlife conservation, animal welfare, professional standards and the judicial process. This forensic workshop has been widely publicized in the Bulletin of Royal College of Pathologist (2011)156: 256-257 and Companion: The British Small Animal Association (BRASVA) Membership Magazine (2011) December, 25-27

The closing ceremony of the forensic science workshop in the Department of Veterinary Pathology Microbiology and Parasitology on May 18- 2011 was graced by the Principal CAVS, Prof. Agnes Mwang'ombe.

Research projects

1. Development and evaluation of herbal anthelmintic drugs for ruminant animals. An innovation project funded by JKUAT training one PhD (UON) and three masters student(JKUAT). The research titles are:
(a). Formulation, safety and efficacy of anthelmintic herbal products from selected plants in Kenya (b). Determination of in vitro anthelmintic activity and phytochemical studies of prosopis juliflora (sw.) dc (fabaceae). (Dr. Gakuya)
2. African Natural Products Research and Training Network(AFFNET) for training PhD and Masters students supported by Carnegie-Regional Initiative in Science and Education. Medicinal plants for management of Malaria, Arthritis, Rheumatism and Diabetes (Dr. Gakuya)

Prof. Agnes Mwang'ombe during the closing session of the forensic science workshop.



3. Welfare of Dairy Cattle in the small holder production systems in Nairobi and its Environs. (Dr. Aleri)
4. Retrospective study on Ear conditions in dogs in Nairobi and its Environs(Dr. Aleri)
5. Effects of carica papaya seed extract on boar gonads – ongoing (Dr. Kipyegon)
6. Socio-economic impact and spatial distribution of rift valley fever and its management capacity enhancement in Northeastern Kenya. Dr. Victoria Ng'onde, Profs. Phillip N. Nyaga and George. K. Gitau.
7. The prevalence of bovine mastitis and usefulness of petrifilms as a diagnostic tool for determining potential treatment regime for pathogen causing mastitis in Nyeri and Nakuru Districts, Kenya. Dr. Royford Bundi M., Profs. G.K. Gitau, John Vanleeuwen and C.M. Mulei
8. Epidemiology of gastrointestinal nematodes and efficacy of moxidectin and albendazole on zero-grazed and free range dairy cattle, in Nyeri and Nakuru Districts of Kenya. Dr. Waweru Kabaka, Dr. Phillip M. Kitala, Profs. George. K. Gitau, Ndichu Maingi, and John VanLeeuwen.
9. The effect of community wildlife sanctuaries on pastoral livestock production system. Elizabeth Nduku Muthiani, Dr. J.T. Njoka, Dr. P.I.D. Kinyua and Prof. G.K. Gitau.

Papers Presented

- Mosoti Mogoia Promoting Animal and Human Welfare in Disasters: The Role of Veterinary Professionals. Proceedings of the 45th Annual Scientific Conference of the Kenya Veterinary Association, 27th – 29th April 2011, Kisumu, Kenya.
- J.W. Aleri, J. Nguhiu-Mwangi, E.M. Mogoia and C.M. Mulei (2011): Risk factors associated with body injuries and poor welfare in cattle within smallholder units in peri-urban areas of Nairobi, Kenya. Proceedings of the 45th Annual Scientific conference of the Kenya Veterinary Association, 27th – 29th April 2011, Kisumu Kenya.
- Gathumbi P.K and E. Dobson (2011) Post mortem and forensic report & procedures. A paper presented in the Kenya Veterinary Association Annual Scientific Conference Kisumu on 27th to 29th April 2011 at Kisumu Hotel Kenya

Publications

1. Hlushchuk, R., Ehrbar, M., Reichmuth, P., Heinimann, N., Styp-Rekowska, B., Escher, R., Baum, O., Lienemann, P., Makanya, A., Keschet, E. and Djonov, V. (2011). Decrease in VEGF expression induces intussusceptive vascular pruning. *Arterioscler. Thromb. Vasc. Biol.*, 31(12):2836-2844.

2. Hlushchuk, R., Makanya, A.,N. and Djonov, V. (2011). Escape mechanisms after antiangiogenic treatment, or why are the tumors growing again. *Int. J. Dev. Biol.*, 55(3-5):563-567.
3. Kavoi, B. and Hassanali, J. (2011). Comparative Morphometry of the Olfactory Bulb, Tract and Stria in the Human, Dog and Goat. *Int. J. Morphol.*, 29(3):939- 946.
4. Makanya, A.,N. El-Darawish, Y., Kavoi, B.M. and Djonov, V. (2011). Spatial and functional relationship between air conduits and blood capillaries in the pulmonary gas exchange tissue of adult and developing chickens. *Micr. Res. Tec.*, 74(2):159-69.
5. Makanya, A.N., Hlushchuk, R. and Djonov, V. (2011). The pulmonary blood-gas In the avian embryo: inauguration, development and refinement. *Respr. Physiol. Neurobiol.*, 178(1):30-38.
6. Oyugi, D.O., Cucherousset, J. Ntiba, M.J., Kisia, S.M., Harper, D.M. and Britton, J.R. (2011). Life history traits of an equatorial common carp *Cyprinus carpio* population in relation to thermal influenes on invasive populations. *Fisheries Res.*, 110:92-97.
7. Oyugi, D.O., Harper, D.M., Ntiba, J.M., Kisia, S.M., and Britton, J.R. (2011). Management Implications of the Response of Two Tilapiine Cichlids to Long-Term changes in Lake Level, Allodiversity and Exploitation in an Equatorial Lake. *AMBIO (Royal Swedish Academy of sciences)*, 40: 469-478.
8. Wambugu, S.N., Mathiu, P.M., Gakuya, D.W., Kanui, T.I., Kabassa, J.D. and Kiama, S.G. (2011). Medicinal plants used in the management of chronic joint pains in Machakos and Makueni counties, Kenya. *J. Ethnopharmacol.*, 137(2): 945-955.
9. Sabuni Z A, Mbuthia P G, Maingi N, Nyaga P N, Njagi L W, Bebora L C and Michieka J N. Prevalence of ectoparasites infestation in indigenous free-ranging village chickens in different agro-ecological zones in Kenya. *Livestock Research for Rural Development* 22 (11) 2011
10. N Maingi and G K Njoroge: A Constraints on production, disease perceptions and ticks and helminths control practices on dairy cattle farms in Nyandarua District, Kenya. *Livestock Research for Rural Development*. Volume 22, Article 138, Retrieved August 2,
11. Aleri, J.W., Nguhiu-Mwangi, J. and Mogo, E.M (2011). Housing-design as a predisposing factor for injuries and poor welfare in cattle within smallholder units in periurban areas of Nairobi, Kenya. *Livestock Research for Rural Development* 23:03: paper 53 on-line version. <http://www.lrrd.org/lrrd23/3/aler23053.htm>

3.00 College of Architecture and Engineering

INSTITUTE OF NUCLEAR SCIENCE AND TECHNOLOGY

The Institute's mandate is to:

- a) train local manpower in the applications of nuclear science and technology
- b) study, utilize and promote peaceful uses of nuclear technology in the country
- c) provide analytical and instrumentation services within and without the University and
- d) use nuclear techniques in the analysis of a variety of environmental samples.

Teaching

The Institute offered a Master of Science programme in Nuclear Science, the main objective of this degree was to train scientists in the applications of radiation science. The country's energy needs have also continued to grow at a very fast rate. The Institute developed a four year undergraduate degree, Bachelor of Technology (Energy Systems), whose objective was to produce the necessary manpower for this industry.

In addition, the Institute offered a 3-month certificate course in renewable energy.

Enrolled Students

In 2011, twenty four students enrolled for the master of science degree.

Research

Members of staff were involved in activities as follows:

Determination of Elemental Concentrations in Edible Seaweeds from the Kenyan Coast Using X-ray Fluorescence Technique. Trace Element and Bioavailability concentrations in Food Stuffs commonly consumed in South Rift, Kenya, Profiling of heavy metal pollution of Upper and Middle Nzoia river by analyzing sediments and water samples, Heavy Metal analysis of

airborne particulate matter in Njoro area of Nakuru, Dose conversion factors for a target close to semi-infinite ground source of gamma radiation, Industrial pollution in Kenya, Assessing exposure and perception to improve and protect public health, Modeling of particulate matter dispersion, A case study of Bamburi Cement Plant, Kenya, ZMicrominerals density nutritive quality potential in the African annual forage clover (*Trifolium quartianum*, cv. Meaton five) in relation to a soil status. Aerosol studies at the Global Atmosphere Watch site on Mount Kenya.

Publications

Levi Shadeya, M Akundabweni, R.W. Munene, D; D. M. Maina, S.K. Bartilol: "Mineral micronutrient density in local cereals sampled from Bungoma, Maseno and Kibwezi areas" *AJFAND*, Vol 10(11), pp. 4301 – 4319.

Kaniu MI, Angeyo KH, Mangala MJ, Mwala A K and SK Bartilol: "Feasibility for chemometric energy dispersive X-ray fluorescence and scattering (EDXRFS) spectroscopy method for rapid soil quality assessment" *X-Ray Spectrom.* 2011, 40, 432–440

Kinney, P. L., Gichuru, Volacsko-Close, N., Ngo, N., Ndiba P. K., Gachanja, A., Gaita, M. G., Chillrud, S. M., Sclar, E.4): "Traffic impacts on PM_{2.5} air quality in Nairobi, Kenya." *Environmental Science & Policy*, 14, 369-378.

Papers presented

Maina, D. M : "Air Quality Measurements in selected industrial areas of the Nairobi metropolitan. A paper presented in International Atomic Energy Agency Workshop on Developing Air Pollution Monitoring in Urban Zones held in Hotel Equator, Arusha, Tanzania on 25th – 27th May, 2011. .

SCHOOL OF THE ARTS AND DESIGN

Introduction

The School of the Arts and Design, is a constituent school in the College of Architecture and Engineering (CAE). It has 12 academic staff and 10 support staff serving over 400 students pursuing undergraduate, postgraduate and short courses.

Design is a discipline that serves every sector of the economy and as such is an important vehicle for industrialization and quality lifestyles. In highly competitive markets, design makes a significant contribution distinguishing products and services through packaging, advertising and communication. The School boasts of over 42 years of design education and has graduated over 2,000 students. It was honoured to be the host of the International Society of Industrial Designers Conference (ICSID) in January 2011.

Courses Offered

In 2011, the School offered three degree programmes: Bachelor of Arts in Design, Master of Arts in Design, and a PhD in Design. Under the three degree programmes, the students specialised in, graphic, interior, fashion, product design and illustration.

Enrolment

Undergraduates	345
Masters	24
Ph.D	3

International Student Component

The School enrolled four international students drawn from China, Brazil, Botswana and Uganda.

Research activities

In 2011, Samuel Maina undertook research on the integration of an Eco-ethical strategy for product life cycle. The research was carried out in Nairobi.

International Links and Collaborations

In 2011, the School had four links with institutions as follows: Network of Africa Designers (NAD) linking with over 10 design institutions in Africa for developing curriculum and conferences; India Africa dialogue, as part of cultural exchange through the e-platform; National Institute of Design, India; and, University of Arts and Poznan, Poland, in which professors have visited the School and



One of the models displayed by final year architecture students during their exhibition in 2011

developed an MOU for cooperation.

Consultancies

In 2011, The School engaged in four consultancies as follows: GOK/UoN/APDK, to develop training manuals for the prevention, early identification and treatment of disabilities; University of Nairobi for the development of visual and promotional materials including brochures, posters and artwork; Kenya High Commission, New York, for interior design services; and, the Chrisom Agencies, for creating visual communication and graphics material.

Graduands

In 2011, the School graduated 52 undergraduates and one post graduate at the level of Ph.D

Papers Presented at Conferences

Onyango, W.H. Revisiting the marketability in the Jua Kali design industry. A paper presented at the Nairobi International Design Conference (NIDEC). January 2011.

Pido, O and D. Pido. Exploring micro-industrial design potentials. A paper presented at the Nairobi International Design Conference (NIDEC). January 2011.

Osanjo, L. Emerging opportunities for development in the new constitution in Kenya. A paper presented at the Nairobi International Design Conference (NIDEC). January 2011.

Mwiti, B. Influence of technology in design. A paper presented at the Nairobi International Design Conference (NIDEC). January 2011.

Onguso, K, and M. Muiya. Energy conservation initiatives for sustainable design in Kenya. A paper presented at the Nairobi International Design Conference (NIDEC). January 2011.

Other Activities

In 2011, Ms Nkatha Kiruthi, a student at the School, participated in African Fashions Fair 2011, and emerged the winner.

SCHOOL OF THE BUILT ENVIRONMENT

INTRODUCTION

The School of The Built Environment was created in January 2006, following the re-structuring of the former Faculty of Architecture, Design and Development. In 2011, the School had 101 staff and slightly over 1,000 students, offering an almost unique range of educational opportunities spanning the diverse range of professions involved in the planning, design and construction, development and costing, valuation and management of the environment and infrastructure.

The School catered for the needs of government, industry, local and international communities and professional practice by providing courses in architecture and design technology, construction management, quantity surveying, valuation and property management, planning, housing and urban management

Enrolment

In 2011, the School enrolled the following:

Undergraduate

Department of Architecture and Building Science:	297
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Department of Urban & Regional Planning:	164
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Department of Real Estate and Construction Management:	569
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Postgraduate

Master of Architecture:	2
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Master of Urban Management:	2
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Master of Arts in Construction Management:	16
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Master of Arts in Valuation and Property Management: 5

Master of Arts in Planning: 10

Research activities

In 2011, staff in the School took part in research activities as follows: Rockefeller Foundation on informal settlements upgrading; UN Habitat human capacity needs assessment, land sector, in Kenya; UNCRD regional planning for Ethiopia and Namibia; and, UNEP and Department of Urban & Regional Planning

International links and collaborations

The School, through the department of architecture and building science had six international linkages: with: ETH – Zurich studio exchange; NOMA/SEARCH Scholarship; Bauhaus University, Weimer; and joint programs with the Koln International School of Design; Kent State University; and the Colorado State University.

The School, through the department of urban and regional planning, had three international academic linkages: with the Columbia University/Centre for Sustainable Urban Development; Rockefeller Foundation; and the Volvo Research and Education Foundation

Publications

Anyamba, T.J.C. Developing an authentic African architecture. *Africa Habitat Review 5* (2011); 276 – 285.

Omenya, A. Effects of globalization in training architectural design: a case for a pedagogical shift in African schools of architecture. *Africa Habitat Review 5* (2011); 286 – 294.

Oyaro, E Developing resources for the training of architects. *Africa Habitat Review 5* (2011); 296 – 302

Rukwaro, R .Dissemination of architectural knowledge among research, training and practice. *Africa Habitat Review 5* (2011); 304 – 316.

Maina S.M. Alleviating gaia’s poly-mess; an archetypal eco-ethical product design outlook. *Africa Habitat Review 5* (2011); 326 – 334

Kigara, K .The role of architecture in Kenya Vision 2030; a case of University of Nairobi. *Africa Habitat Review 5* (2011); 364 – 370.

Graduands

In 2011, the School graduated the following numbers:

Bachelor’s degrees : 179

Postgraduates Diplomas: 12

Masters Degrees: 9

Ph.D: 3

Papers presented

Njeru, P. Low cost and eco-conscious: compatibility in Amani village. A paper presented at a congress held in Wuhan,China, 4th to 28th October, 2011.

Rukwaro, R. ‘In search of architectural form creation in nature and culture. A paper presented at the Architecture and Urbanism in Eastern Africa Workshop, ADD Building, University of Nairobi, 16th – 18th August 2011.

Ebrahim, Y. ‘Diagnosing, remedial action and retrofitting techniques to sick building syndrome (SBS) in upland climates’. A paper presented at the Architecture and Urbanism in Eastern Africa Workshop, ADD Building, University of Nairobi, 16th – 18th August 2011.

Activities

During the year under review, The Department of Architecture and Building Science held an Eastern African Regional Workshop on ‘Architecture and Urbanism in Eastern Africa’, in the ADD Building on 16th – 18th August, 2011. The workshops run concurrently with an exhibition, and the annual prize giving ceremony sponsored by Basco Paints.

SCHOOL OF ENGINEERING

Introduction

The School of Engineering is located on the Main Campus, along Harry Thuku Road, directly opposite the main administration building of the University. Nearby landmarks include the Central Police Station, the Norfolk Hotel, and the Kenya National Theatre. It is comprised of the following departments: Department of Civil and Construction Engineering; Department of Electrical and Information Engineering; Department of Mechanical and Manufacturing Engineering; Department of Environmental and Biosystems Engineering; and, Department of Geospatial and Space Technology.

In 2011, the School offered undergraduate study programmes leading to a Bachelor of Science degree in the following degrees: Civil and Construction Engineering; Electrical and Information Engineering; Mechanical and Manufacturing Engineering; Environmental and Biosystems Engineering; and, Geospatial and Space Technology.

Enrollment

In 2011, the School enrolled the following number of students:

B.Sc. Mechanical Engineering:	564
B.Sc. Civil and Construction Engineerin:	690
B.Sc. Geospatial Engineering:	175
B.Sc. Environmental and Biosystems Engineering:	215
B.Sc. Electrical and Information Engineering:	651
M.Sc:	115
Ph.D:	14

International Links & Industrial Collaboration

Through the department of mechanical engineering, the School had the following links: African Materials Science and Engineering Network (ASMEN), Industrial Collaboration with L.G. Air Conditioning Academy for training of engineers in air conditioning and refrigerating; Car and General

Through the department of civil and construction engineering, the School had links as follows: University of Florida; University of Portsmouth, UK; National Taiwan University of Science & Technology, Taiwan.

Through DEBE, the School established links with Jamii Bora Trust, World Vision Kenya, Cape Peninsula University of Technology South

Africa, Princeton University/Art Centre College of Design Pasadena California, Department of Environmental Health, Safety and Emergency management (EHSEM), Harvard University, Africa Bio-fuel and Emission Reduction (East Africa) Ltd.

Publications

- Kihiu, J. G. Rading and S. Mutuli (2011) Boiler, Piping and Pressure Vessel Cross, Book. Design Stresses, Publishers, Germany.
- Mwero, J.N, S.O. Abuodha, S.W. Mumenya, G.O. Rading and F.P.L. Kavishe (2011) : Sugarcane fiber ash: composition, particle size distribution and pozzolanic properties. ICATOR Journal of Engineering Vol. 4 no. 2 (2011) 137 – 144.

- Mbuge ,D.O., L. Gumbe and G.O. Rading(2011) Analysis of natural degradation of HDPE lining using time-dependent properties, Ploymer Eng. And Sci. 51(6), 1198-1205.
- Osano S.N., S.K. Mwea (2011) Root tensile strength of 3 typical plants and their contribution to soil shear strength, : Journal of Civil Engineering Research and Practice Vol. 8 No. 1 pp 57 – 73, Nairobi
- Onyancha M , C., Mathu, E., Mwea, S., & Ngecu, W.(2011) A study on the engineering behavior of Nairobi subsoil, Asian Research Publishing Network, Vol 6 No. 7 July 2011 ISSN 1819 - 6608
- Mumanya,S.N.(2011) Use of fibrillated polypropylene in concrete and cement composites : ISBN 979-953-307-489-3.
- Mumanya S. W., Tait R. B. and Alexander M. G(2011) : Evaluation of toughness of weathered textile, Concrete Materials & Structures Journal (2011) Vol. 44, page 279 – 289, DOI 10.1617/s 11527-010-962604
- Mwero, J.N , S. O. Abuodha, S. W. Mumanya, G. O. Rading, F. P. K. Kavishe(2011) Sugarcane waste fiber ash: composition, particle size distribution and pozzolanic properties, ICASTOR Journal of Engineering (2011) vol. 4, No. 2 page 137 - 144
- Kinney P. L., Gichuru M. G., Volavka-Close N., Ngo N., Ndiba P. K. Law A., Gachanja , Gaita M. G., Chillrud S. M., and Sclar E. (2011) Traffic Impacts on PM2 .5 air quality in Nairobi, Kenya, :Environmental Science & Policy 14, 369, - 378 (2011)
- Gichaga, F.J (2011) Surviving the academic arena: my complex journey to the apex, University of Nairobi Press,
- Mulaku G.C(2011) GIS in Education Planning: The Kenya School Mapping Project. African Survey Review, Vol.43. No.323, pp567-578, October, 2011.
- Omuto, CT, Balint, Z, and Alim, MS. 2011.) A framework for national assessment of land degradation in the drylands: A case study of Somalia. Land Degradation and Development. 10.1002/ldr.1151. – *2011 (<http://onlinelibrary.wiley.com/doi/10.1002/ldr.1151/abstract>)
- Omuto, CT. 2011. A new approach for using time-series remote-sensing images to detect changes in vegetation cover and composition in dry lands: a case study of eastern Kenya. International Journal of Remote Sensing, 32:6025-6045 – *2011 (<http://www.tandfonline.com/doi/abs/10.1080/01431161.2010.499384>)
- Obiero, John P. O. , Mohammed A. Hassan, Lawrence O. M. Gumbe (2011) Modeling of streamflow of a catchment in Kenya in Journal of Water Resource and Protection, 2011, 3, 667-677 doi:10.4236/jwarp.2011.39077 Published Online September 2011 (<http://www.SciRP.org/journal/jwarp>) Copyright © 2011 SciRes. JWARP
- Odira, P. M., A. M. O. Nyadawa, Ndwalla B. O., Juma N. A. and J. P. O. Obiero. (2011) Impact of land-use/cover dynamics on stream flow: a case of Nzoa river catchment, Kenya., Nile Water Science and Engineering Journal, Vol 3 (issue 2
- Gichuhi,N. W. , A. N. Gitau, J. M Mutua, K.K Kabarere, M. K. Mangoli, (2011) Distributed generation of green electricity for sustainable rural eelectrification in Kenya. ICASTOR Journal of Engineering Vol. 4, No. 1 (2011) 65-77

Graduands

In 2011, the School graduated the following numbers:

B.Sc Mechanical Engineering:	58
B.Sc Civil & Construction Engineering:	68
B.Sc Geospatial Engineering:	37
B.Sc Environmental and Biosystems Engineering:	32
B.Sc Electrical and Information Engineering:	88
M.Sc.	11

Research activities

Oduori, F. was awarded a grant by the National Council of Science and Technology to commercialize a sisal decorticator.

Mwaka M. was awarded a grant by the National Council of Science and Technology for a project on small scale water extraction in arid and semi-arid areas by wind power

Mulaku, G.C. was involved in research on the Kenyan cadastre and spatial data infrastructure.

Musyoka, S.M. was involved in research on the modernization of the Kenyan geodetic network.

Rostom, S.R. was involved in research on aerial triangulation by digital photogrammetry

Karanja, F.N. was involved in research on earth observations for natural resource management, gender –disaggregate spatial databases and applications, application of GIS in poverty reduction.

Wakoli, P.C. was involved in research on application of photogrammetry to detection & monitoring of structural deformations.

Kiema, J.B.K. was involved in research on the use of GIS in business decision planning, governance and partial information management use of space technology in water management.

A.N Gitau was involved in research on water harvesting, environment, health and nutritional sustainability in Kitui West. The activity which was sponsored by the National Council for Science and Technology focused on conservation tillage equipment for rural poor farmers.

C.T Omuto was involved in research on land degradation assessment in arid and semi arid Kenya with support from IFS. He also took part in a study on automated ground water monitoring in Nairobi, a collaboration project with UNESCO, IHE, and MWI.

D.A Mutuli was involved in a study of the land tenure systems in the National Irrigation

Schemes in Kenya - (GOK MWI – NIB. The study involved research on Mwea Irrigation Scheme water management and improvement project, a collaboration with the government of Kenya.

D.O Mbuge was involved in research on determination of the water requirement and optimum room conditions for the indoor cultivation of Oyster Mushrooms.

A.K Inima was involved in research on evaluation of small scale water retention structures in Kitui District, sponsored by the Ministry of Agriculture.

J.O Agullo was involved in research on a three dimensional environmental simulation model of a greenhouse system

Papers presented

- Gichaga, F.J. Training professionals for infrastructure development: the Troika of government, industry and academia. A paper presented at the Conference on the the Transformative and Effective Infrastructure, Ministry of Roads, Nairobi.
- Onyancha, C, E. Mathu, S. Mwea and W. Ngecu. Effects of drilling deep tube wells in the urban areas of Nairobi city. Paper presented at the International Conference on Earth Sciences and Engineering, July 2011, Amsterdam.
- Mumanya S. W., K. K. Mbugua R. N., J. Mutulili J and Macharia L. N. . Baseline study on the status of women in engineering and technology at tertiary institutions in Kenya. Paper presented at the 15th International Conference on Women Engineers and Scientists (ICWESIS15) 19 – 22 July 2011, Adelaide, Australia,
- Omosa I. B., Odira P. M. A., Dianhai Y and Ndiba P. K. Review of waste water reuse: the case of Kenya. Paper presented at the 1st Annual Effluent & Waste Water Management Conference (EWWC 2011), Nairobi, 23rd November 2011.

4.00 College of Biological and Physical Sciences

CENTRE FOR BIOTECHNOLOGY & BIOINFORMATICS (CEBIB)

The Centre for Biotechnology and Bioinformatics (CEBIB) is a virtual centre for research and postgraduate training at MSc and PhD levels in biotechnology and bioinformatics to increase capacity and develop manpower for health; agriculture; industry, environmental management and related fields.

The Centre's academic and research programmes have expanded in recent years and in 2011, included the participation of visiting academics from international links and collaborating institution, with the Centre housing four advanced modern laboratory facilities that comprise three biotechnology laboratories and a modern bioinformatics laboratory.

Student enrolment

In 2011, student enrolment was 60 drawn from Kenya and the African region. The students were enrolled in the four areas of: Master of Science in Biotechnology; Master of Science in Bio-informatics; PhD in Biotechnology; and, PhD in Bioinformatics

Career development prospects

CEBIB continued to build and strengthen its capacity to establish an attractive career path for emerging young scientists. Further, CEBIB maintained its internship programme encouraging interns to follow a career in research and the opportunity to join the Centre through applying for schemes advertised at the Centre or taking up a Masters or PhD programme. One of the centre's interns is now employed at the KEMRI Kilifi research programme, another was awarded a scholarship to study in the UK, while two have now enrolled into MSc programme in Biotechnology, indicating that the programme is meeting its objectives .

Research Activities

Multiple research activities, covering agricultural, health, industrial and environmental biotechnology were carried out at CEBIB. Research activities by staff and affiliates of the Centre were implemented both within CEBIB laboratories and in laboratories of collaborating institutions through national and international links.

Short Term Training

In 2011, the Centre carried out short term training as follows: strengthening human and institutional capacity through application oriented hands-on training in Biotechnology and Bioinformatics programme. Two trainings were held drawing participants from national agricultural research systems, universities, international research institutes, government sector, private research and service laboratories, and individuals from African countries.

Research Grants And Scholarships

CEBIB researchers and collaborators endeavored to source for grants to support research activities and scholarships to support postgraduate students enrolled at the Centre. In 2011, the Centre was holding over KES 10 million in grants and in kind from various agencies including USAID, Bill and Melinda Gates Project, DAAD, and Denver Foundation USA.

Outreach Programme

As most parts of the world adopt genetically modified products, there remains uncertainty, confusion and resistance to the technology in many parts of Africa, mainly due to low knowledge levels among the citizenry, deliberate misinformation by anti-biotech

groups and lack of exposure of the actual benefits of GM commercial crops. To address this problem, USAID Kenya funded a project (USAID/KENYA Strategic Agricultural Biotechnology Outreach Support Programme), to create public knowledge and awareness in Biotechnology in Kenya. This national programme is implemented at the Centre for Biotechnology and Bioinformatics.

The goal of the biotechnology outreach programme is to create an enabling environment for biotechnology research and development, adoption and enhanced agriculture in Kenya through improved knowledge and awareness in biotechnology and biosafety. By the end of 2011, 180 participants had been trained.

Collaboration And International Links

CEBIB relied on various forms of collaboration and networking arrangements in order to fulfill its core vision and mission in Biotechnology and Bioinformatics research and capacity development. Linkages and collaborations were developed and maintained with international research institutions, regional and national research and development systems, advanced laboratories as well as universities. To enhance research and capacity development, CEBIB worked with the following networks and partner institutions who provided grants, staff exchange, student exchange, equipment, sub-awards, and joint grant applications: KEMRI/WELCOME TRUST; University of Manitoba-KEMRI-UNITID-CEBIB; African Biomedical Centre (ABC); Ben Gurion University, Israel; Denver Foundation, USA/University of Colorado; University of Melbourne, Australia; Centers for Disease Control (CDC; Inqaba biotech, South Africa; and, ILRI BecA).

Publications

Ochieng, et al. (2011) Genetic structure of hartbeest populations straddling a transition zone between morphotypes. J. Basic Appl. Sci.

Res. 2011 1 (3) : 131-149.

FF.J. Mulaa. (2011) Enrichment of PUFA in Nile perch free fatty acids by selective enzymatic esterification and subsequent analysis using HPLC-ELSD. European Journal of Lipid Science and Technology.

F.J. Mulaa (2011) Enzymatic synthesis of Lipophilic Rutin and Vanillyl Esters from fish by products. J. Agric. Food Chem.

F.J. Mulaa (2011) The 'Lipo Yeasts' project: using the oleaginous yeast *yarrowia lipolytica* in combination with specific bacterial genes for the bioconversion of lipids, fats and oils into high-value products. Microbial Biotechnology. 1751-7915.

Strategic issues

The Centre will expand its programmes to address specific needs, this appears possible with the high student enrolment experienced. It is envisaged that the student numbers will continue to increase in response to forces in the job market as well as needs in the society to provide solutions in health, agriculture and environmental management.

In line with the expansion of academic programmes, research areas will be strengthened to provide solutions to local problems in health, agriculture and environmental management. Research staff and collaborators will source for new grants to support research and to provide scholarships/fellowships for the next generation scholars. New collaborations and links will enhance technology transfer and increase the bargaining power of centre staff in grant applications.

An expanded academic programme and research themes will require improved physical and academic infrastructure. CEBIB will endeavor to provide the needed expansion to accommodate emerging research teams and laboratories. The laboratories will be upgraded to accommodate new research areas as well as improvement in their ability to house classified operations (PC 2 and PC3

SCHOOL OF BIOLOGICAL SCIENCES

Introduction

The School of Biological Sciences (SBS) offers training in four well-structured undergraduate degree programmes, as well as M.Sc. and Ph.D. programs in over 12 specialised areas of biological science. The School is structured into the following nine thematic areas: Ethnobiology and Taxonomy; Biological Natural Products; Ecology and Environmental Sciences; Fresh Water and Marine, Genetics and Biotechnology; Insect Science, Microbiology; Physiology and Biochemistry, Parasitology and Immunology and, Research Development & Production.

Undergraduate Programmes Offered

In 2011, the School offered three undergraduate degree programmes, namely, B.Sc. (Biology), B.Sc. (Microbiology & Biotechnology) and B.Sc. (Environmental Conservation & Natural Resource Management). Two other programmes, B.Ed. (Science) and B.Sc. (Botany or Zoology, or a combination of the two), were offered jointly with the School of Physical Sciences and School of Mathematics under Open and Distance Learning (ODL) or full-time basis to regular and module II students.

Student Enrolment

In 2011, the School enrolled the following numbers:

B.Sc. (Biology):	191
B.Sc. (Microbiology & Biotechnology):	258
B.Sc. (Environmental Conservation & Natural Resource Management):	238
M.Sc :	51
Ph.D:	26

Graduands

B.Sc. (Biology):	7
B.Sc. (Microbiology & Biotechnology):	49
B.Sc. (Environmental Conservation & Natural Resource Management):	17
M.Sc:	25

Research Activities

In the year under review, members of staff were involved in the following research activities: Biosafe Project, funded by DANIDA; Impact of open access to mangrove forests on benthic biodiversity, funded by VLIR ; Conservation and sustainable management of below ground biodiversity, funded by Global Environmental Facility UNEP; Eco-hydrology and water dynamics in Laikipia, funded by Princeton University, USA; Dispersal patterns of *Prosopis juliflora* and invisibility of heterogenous communities under multiple uses in the upper Tana floodplain of Kenya, funded by British Ecological Society.

Links and collaboration

In 2011, the School was involved in links and collaboration for support of research fellows, toxicology and mushroom studies. The collaborating institutions included: DANIDA. The Ifakara Health Research & Development Centre (IHRDC), French Embassy and IRD (Institut de recherche pour le développement, National Council for Science and Technology, National Museum of Kenya, and the Pest Control Board (PCB)

Publications

- Okoth S. A., Otadoh J. and Ochanda J., (2011) . Improved seedling emergence and growth of maize and beans by *Trichoderma harziunum*. Journal of Tropical and Subtropical Agroecosystems. 13: 65-71.

- Kawaka J. F., J.W. Kimenju, G. Ayodo, S. W. Mwaniki, J.O. Muoma, S.O. Okoth, G. O. Orinda, (2011). Impact of land use on the distribution and diversity of entomopathogenic nematodes in Embu and Taita districts, Kenya. *Journal of Tropical and Subtropical Agroecosystems* 13: 59-63.
- Otadoh J. A., Okoth, S. A., Ochanda J. and Kahindi J, (2011). Assessment of *Trichoderma* isolates for virulence efficacy on *Fusarium oxysporum* f. sp. *Phaseoli*. *Journal of Tropical and Subtropical Agroecosystems*. 13: 99-107.
- Siameto E. N., Okoth S., Amugune N. O. and Chege N. C., (2011). Molecular characterization and identification of biocontrol isolates of *Trichoderma harziunum* from Embu District, Kenya. *Journal of Tropical and Subtropical Agroecosystems*.: 13: 81-90
- Wachira P. M., Okoth S, Kimenju K, Mibey R. K and Kiarie J, (2011). Effect of soil fertility management practices on nematode destroying fungi in Taita, Kenya. *Journal of Tropical and Subtropical Agroecosystems*. 13: 43-49.
- Niels O Verhulst, Phoebe A Mbadi, Gabriella Bukovinszkine Kiss, Wolfgang R Mukabana, Joop JA van Loon, Willem Takken and Renate C Smallegange, (2011), Improvement of a synthetic lure for *Anopheles gambiae* using compounds produced by human skin microbiota. *Malaria Journal*, 10:28
- Mala A.O and Irungu LW. (2011): Characterization of the factors influencing the differential productivity of *Anopheles gambiae* at larval habitats in Kisian village, western Kenya. *Journal of Vector Borne Diseases* 48, 2011, pp. 1–6 <http://www.mrcindia.org/journal>
- Mala AO, Irungu LW, Shililu JI, Muturi EJ, Mbogo CC , Kiambo JK, Githure JI (2011): Dry season ecology of *Anopheles gambiae* complex mosquitoes at larval habitats in two traditionally semi-arid villages in

Baringo, Kenya. *Parasites & Vectors* 2011, 4:25 <http://www.parasitesandvectors.com/content/pdf/1756-3305-4-25.pdf>

Papers presented

- Egonyu JP, Sunday E, Kabaru J, Irungu LW and Torto B. (2011). Host Odour responses and experience-induced learning in the coconut bug, *Pseudotheraptus wayi* Brown (Heteroptera: Coriedae). Poster, 14th Symposium on Insect-Plant Interactions, 13th to 18th August 2011, Wageningen, the Netherlands 122pp.
- Mavuti, K. Imnology and environmental management of Thika dam reservoir, at Ndakaini, Posetr developed and presented at the Kenya. pre14TH World Lakes Conference

Other Recognitions

Dr. Lilian Wambua of the School of Biological Sciences, University of Nairobi was selected as a 2011 Award Fellow. AWARD is a professional development program that strengthens the research and leadership skills of African women in agricultural science, empowering them to contribute more effectively to poverty alleviation and food security in sub-Saharan Africa.

SCHOOL OF MATHEMATICS

Introduction

The School of Mathematics is one of the largest Schools in the University of Nairobi. It was established in 2005 during restructuring from the then departments of Mathematics at CBPS and CEES. It has 44 teaching staff and 9 non-teaching staff.

In 2011, the School of Mathematics offered specialized training in pure mathematics, applied mathematics, statistics, biometry, actuarial science, modeling and operations research.

Research activities

Members of staff were actively involved in advanced and applied research of problems that arise in such diverse fields as mathematical biology, AIDS testing and control, vector control, agricultural pest control, educational and manpower planning, mathematical economics, wind energy analysis, analysis of entropy of African languages, survival analysis.

Enrollment

In 2011, the School enrolled the following number of students:

B.Sc. Actuarial Science	499
B.Sc. Mathematics:	110
B.Sc. Statistics:	150
Post graduate dip:	7
M.Sc:	44

Graduands

In 2011, the School graduated the following numbers:

Diploma:	124
Postgraduate diploma:	2
M.Sc :	33
Ph.D :	2

Publications

Pokhariyal, G. (2011) Effects of National Strategy Implementation on Competiveness: A Case of Kenya's Trade, International Marketing and Investment Strategies. International Journal of Business and Public Management April 2011

Pokhariyal G.P, J. Hassanali (2011) Regression and Simulation Models for Human and Baboon Brain Parameters International Journal. Morphol, 2011

Omwenga, V.O, M.M. Manene and C.B. Singh (2011) Model for the Estimation of Initial Conditions in a Conflict Environment,

International Journal of BioChePhycis, 2011

Okwoyo M. J., G.P. Pokhariyal , M. Kinyanjui and J. Okelo (2011). Stability and Persistence of Synchronized Manifold of Diffusely Coupled Oscillators, Journal of the Far East Dynamical Systems.2011

Imagiri S.K, , J.M. Khalagai & G.P. Pokhariyal (2011) nth – Aluthge Transform of w-Hyponormal Operators, Far East Journal of Applied , 2011,ICASTOR

Kipchirchir, I. (2011) The Versatility of the Negative Binomial Distribution in Describing Dispersion, Journal of Mathematical Sciences, 2011.

Papers presented

G.O. Weke, G.O Estimation of IBNR claims reserves for shortlisted insurance contracts using deterministic and stochastic methods. Paper presented at the Strathmore University Mathematics Conference, 2011

Weke, G.O. Challenges of educating actuaries in Kenya. Paper presented at the 2nd African Congress of Actuaries, November 2nd – 5th ,2011.

Kagunda , J. An SIS meta-population model for malaria in western Kenya with age structure. Paper presented at the Second Biomathematics Workshop, October 30, to November 4, 2011, Narumoru, River Lodge.

Consultancies

In 2011, staff were contracted to carry out the following activities: to verify internally displaced persons, by the Ministry of Special Programmes; actuarial valuation of the Kenya Bureau Staff Retirement Benefits Scheme; actuarial review of the Blue Shield medical products; actuarial study on motor insurance industry of Kenya, commissioned by the Association of Kenya Insurers. The report led to review of motor insurance rates; actuarial study for the design and setup of a pension scheme for Delmonte (K) seasonal employees; actuarial study for the design of a post retirement medical scheme for University of Nairobi staff.

Established linkages

In 2011, the School maintained the following linkages: The Eastern Africa University Mathematics Programme (EAUMP).; Mathematical Modeling of Vector – Borne Diseases: Africa University Partnership Programme Bilateral Agreement Mathematics Programme: Joint grant under the Kenyan – South African Research.

SCHOOL OF COMPUTING AND INFORMATICS

Introduction

The School was formally established in 1977 as the Institute of Computer Science. ICS mandate included academic as well as provision of university-wide ICT services. In 2002, and in the interest of realizing more focused management and efficiency of the two functions, ICS was split into two entities, namely, ICTC and the School of Computing and Informatics.

The School is a regional leader in research, research and development (R&D) and advanced education in computing. It was the first institution to offer degree, postgraduate diploma and postgraduate degrees in computer science, in the region.

Extension & Community Out-reach

In 2011, the School maintained its extension activities with the Kenya Society for the Blind.

Enrollment

In 2011 the School enrolled the following numbers:

B.Sc. Computer Science:	327
M.Sc. Information Systems:	127
M.Sc. Computer Science :	68
Ph.D Information Systems :	24
Ph.D Computer Science:	18

Graduands

B.Sc Computer Science:	34
M.Sc Computer Science:	36
M.Sc Applied Computer Science:	1
Ph.D :	1

Research Projects

In 2011, members of staff were involved in research projects that included : Regional mobile applications Lab; Poverty and Information & Communication Technology Systems in Urban and Rural Eastern-Africa



Computer science students during their annual open day.

(PICTURE Africa) Software Development Sub-Contracting and Usability Lab; Utilities for Blind and Visually Impaired Persons – Research and Development; and Real-time, Farmer-centric M&E platform.

Funding for some of these research projects was sourced from World Bank Infodev, International development and Research Centre(IDRC), Nokia research and the National Council for Science and Technology(NCST).

Publications

Omwenga et.al. (2011) Modeling a Computer-Mediated Learning Infrastructure: Concepts, Principles and Implementation Requirements. 2011, ISBN 978-3-8454-0858

Waema T.M. (2011) Local Governance and ICT In Africa: Case Studies and Guidelines for Implementation and Evaluation. ISBN 9768-0-85749-032

Waema T.M. (2011) Development Outcomes of Internet and Mobile Phones use in Kenya Journal article, Info.). 14(3) 110-124

Waema,T.M and O. Okinda (2011) Policy Implications of the Relationship Between ICT Access and Usage and Well-being: A Case Study of Kenya , in African Journal of Science, Technology, Innovation and Development(AJSTID),3(3),31-62

Waema T.M, , D.O.Ochieng and Onsomu,JO Mobile Interfaced Crops Diagnosis, Expert System(MICDES); A Case for Rural Kenyan Farmers in Int. J. Services, Economics and Management,Vol.4, No. 1,pp4-26

Papers presented

Waema T.M. Development strategies for the implementation of ICT value proposition A paper presented at the Bellagio Study and Conference, Italy 24 March 2011.

Waema, T.M, and Meoli Kashorda. ICT indicators in higher e-education: towards an e-readiness assessment. A paper presented at the Model Ubuntu Net Connect 201124, on -25 Nov,2011

Collaborations

In 2011, the School was involved in the following collaborative projects:

Title	Partners
Research and development cooperation	Kenya Data Networks (KDN)/SCI
Open source module e-learning project	Google /UON
Mobile learning for rural pupils	ICT4D
Social-economic impact of mobile cash	Rockefeller
Research & engineering	Africa-Asia Collaboration
Japanese government (Monbukagakusho) scholarship	Graduate school of engineering at Nagoya University Japan
Mobile applications	Infodev
Social media-Nairobi sizzle	Nokia Research Centre Africa/ Helsinki Inst. of Information Technology
“Design thinking “liberation technologies	Stanford University/Nokia/SCI
IBM mobile application development project	IBM/SCI

Consultancies and Outreach

In 2011, staff were involved in the following activities:

UNITID Fellowship Health Information	Center for Disease Control
E-Content Development	Longhorn Publishers
Strategic plan for ICT	Ministry of Home Affairs, Tanzania
Supervisor/Assessor for KNEC 9-11 Nov 2011 Kisumu Polytechnic	Kenya National Examinations Council
Reviewed the strategic plan of the College of Biological and Physical Sciences	CBPS
Appointed as a member of the Task force on the Alignment of the Higher Education, Science and Technology sector with the Constitution	Ministry of education

SCHOOL OF PHYSICAL SCIENCES

The School of Physical Sciences (SPS) is located in Chiromo Campus. The School is made up of the following departments: chemistry, geography and environmental studies, geology, meteorology and physics. In the year under review, the School offered the following undergraduate courses: industrial, analytical and environmental chemistry; geology, microprocessor and instrumentation; astronomy and physics.

Enrollment

In 2011, the School enrolled the following numbers:

B.Sc. Geology:	159
B.Sc. Geology (ODL):	35
B.Sc	572
B.Sc Industrial Chemistry	144
B.Ed (Sc)	275

BSc- Analytical Chemistry	14
B.Sc. physics:	321
M.Sc :	73
Ph.d:	21

Graduands

In 2011, the School graduated the following numbers:

B.Sc Geology:	16
B.Sc Industrial chemistry:	28
B.Sc. (Microprocessor Technology and Instrumentation):	6
B.Sc :	95
B.Sc Meteorology :	48
M.Sc:	19
Ph.d:	5

Collaboration and links

Through the department of geology, the School was involved in the following links: KENGEN; Kenya Meteorological Department (KMD) ; Department of Mines and Geology; Regional Centre for Mapping of Resources for Development (CMRD)

Through the department of chemistry, the School had the following links: UNEP- Persistent Organic Pollutants (POPS) Project Cooperation with the department supporting the implementation of the global monitoring plan of Persistent Organic Pollutants (POPs) in Eastern and Southern African countries. The project was funded to the tune of \$179,000. It covered : strengthening capacity of Egypt, Ethiopia, Kenya, Mauritius, Uganda and Zambia in monitoring POPs concentrations in air and mothers' milk, developing detailed guidelines, protocols and manuals in sampling and analysis, facilitation of laboratory visits and training by UNEP staff, and generation of POPs results from laboratories during training

Through the department of physics, The School had the following links: Uppsala University, Sweden; Lund University, Sweden, Air Force Research Laboratory/Institute for Scientific Research (Boston College), USA, Stanford University Solar Center, USA, University of Rome (La Sapienza), Italy, and Space Environment Research Centre, Kyushu University, Japan

Publications

- Guto, P.N, G.N. Kamau, J.M. Kiratu, L.S. Daniel, E.M. Kiremire (2011): Electron transfer properties of 2-acetylferrocenyl-2-thiophenecarboxylsemicarbazone, International Journal of BioChemiPhysics, 19, p.47-55.
- Endale, M, Alao J.P., Akala J.M., Rono N.K., Eyase F.L., S. Derese, A. Ndakala, M.N. Mbugua, D.S. Walsh, P. Sunnerhagen and A. Yenesew (2011): Antiplasmodial quinines from pentas longiflora and pentas lanceolata, Planta Med, 77, p.1-5.
- Juma, W.P., Akala, H. M., Eyase, F.L., Muiva, L.M., Heydenreich, M., Okalebo, F.A., Gitu, P.M., Peter, M.G., Walsh, D., Imbuga, M., Yenesew, A. (2011). Terpurinflavone: An Antiplasmodial Flavone from The Stem of Tephrosia purpurea. Phytochemistry Letters 4, 176-178.
- Muthaura, C.N., Keriko J.M., Derese, S., Yenesew, A., Rukunga, G.M. (2011). Potential of Kenyan Medicinal Plants in Malaria Control. Exp Parasitol. Review Article 127, 609-626.
- Muiva CM, Sathiaraj ST and Mwabora JM (2011), Crystallization kinetics, glass forming ability and thermal stability in glassy Se(100-x)In(x) chalcogenide alloys", Journal of non-crystalline Solids, 357(22-23)(2011) 3726 – 3733
- Muiva CM, Sathiaraj ST and Mwabora JM (2011), "Thermal and compositional defects in chemical spray pyrolysed Indium Selenide (In₂Se₃) thin films: Effects on film properties", Journal of Optoelectronic and advanced materials, 13(9)(2011) 1240 - 1245
- Odumo BO, Mustapha AO, Patel JP and Angeyo HK (2011), "Energy dispersive X-ray fluorescence analysis of mine waters from the Migori gold mining belt in South Nyanza, Kenya", Bulletin of Environmental Contamination and Toxicology, 87(3) (2011), 260 – 263
- Odumo BO, Mustapha AO, Patel JP and Angeyo HK (2011), "Multielemental analysis of Migori (South, Kenya) artisanal gold mine ores and sediment by ED-X-ray fluorescence techniques: Implications of occupational exposure and environmental impact", 86(5) (2011), 484 - 489
- Odumo BO, Mustapha AO, Patel JP and

Angeyo HK (2011), "Radiological survey and assessment of associated activity concentration of the naturally occurring radioactive materials (NORM) in the Migori artisanal gold mining belt of Southwestern Nyanza, Kenya", *Applied Radiation and Isotopes*, (2011), 69, 912 – 916

- Kaniu IM, Angeyo HK, Mangala JM, Mwala AK and Bartilol SK (2011), "Feasibility of chemometric energy dispersive X-ray fluorescence and scattering (EDXRF) spectroscopy method for rapid soil quality assessment", *X-Ray Spectrometry*, (2011) 40, 432 – 440

Research

Through the department of physics, the School was involved in research on applied electronics; applied nuclear & radiation physics; laser physics, spectroscopy & imaging; condensed matter physics; photovoltaics; geophysics, and theoretical physics.

Papers Presented at Conferences

- Mukhono P, Dehayem-Massop A, Kaduki KA and Angeyo HK. Characterization of laser induced breakdown spectroscopy for chemometrics-assisted analysis of

high background radiation area (HBRA) geothermal field matrices, 6th Euro Mediterranean Symposium on Laser Induced Breakdown Spectroscopy, 11 – 15 September 2011, Izmir, Turkey

- Kaduki KA, Angeyo HK, Dehayem-Massop A, Mjomba ACK, Kimari JW, Gathoni RN and Wabwile RL. Research and capacity building in laser physics and spectroscopy at the University of Nairobi, Kenya, 22nd General Congress of the International Commission for Optics ICO 22, 15 – 19 August 2011, Puebla, Mexico
- Mwabora JM Poverty as a factor in determining education achievement in Kenya. A case study of Nyanza and Coast provinces in Kenya, Regional Symposium on Poverty as a Human Rights Violation, 28 – 30 September 2011, Naivasha County Club, Naivasha, Kenya
- Aduda BO. Review of the current state of nanotechnologies research and policy making in Kenya, Workshop on Nanotechnologies for Kenya's Development: Questions of Knowledge Brokerage and Risk Governance", 12 – 13 December 2011, Silversprings Hotel, Nairobi, Kenya.

5.00 College of Education and External Studies

SCHOOL OF EDUCATION

The School of Education is one of the two schools constituting the College of Education and External Studies (CEES). It comprises five administrative and teaching units namely; The office of the Dean; Department of Educational Administration & Planning; Department of Educational Communication & Technology; Department of Educational Foundations and, Department of Physical Education & Sport.

Courses Offered

All the activities of the School are basically geared towards preparing teachers and other educational personnel at all levels. In accordance with the Kenya Vision 2030. The consequent programmes offered at the School included Doctor of Education (Ed.D) ; Doctor of Philosophy (Ph.D) in Education; Master of Education (M.Ed) with 11 specializations; Bachelor of Education (Arts, Science, and Early Childhood Education).

Student Enrollment

In 2011, the School enrolled the following numbers:

B.Ed (Arts):	1879
B.Ed (Science):	679
B.Ed (ECE):	109
B.Sc (Agricultural Education & Ext):	57
M.Ed:	537
Ph.D/ED:	23

International Student Component

The School had 19 international students from Turkey.

Research Interests and International Links and Collaborations

In 2011, the School collaborated with the following: University of Juba-Southern Sudan for pre-service teacher training of primary school teachers, and capacity building



University staff, collaborators and other participants during a research workshop.

of regional training institutes. Linköping University, Sweden for programme exchange and joint research; University of Prince Edward Island in Canada; and Bridgewater State University.

Papers Presented

Khatete I, and G.Wanjala. The meaning of quality in teacher education. A paper presented at the Education Management Society of Kenya Workshop held at Kenya Science Campus, University of Nairobi 26th – 28th April, 2011.

Graduands

In 2011, the School graduated 985 candidates broken down as follows:

Diploma:	34
Bachelors:	685
PGDE:	10
M.Ed:	256
Ph.D :	2

Strategic Issues

A benchmarked programme (M.Ed in Science Education) was completed and discussed at the School Board.

Initiatives were made with Universities in the North and South in order to strengthen existing partnerships and linkages and to create new ones.

The Doctor of Education Programme picked up with an enrolment of 10 students.

Achievements/Challenges

It is envisaged that the approved Institute for Educational Research and Evaluation will be operationalised. In the coming year it is projected that the taught Ed.D programme will take off; further that the School will increase the number of international links and collaborations.

SCHOOL OF CONTINUING AND DISTANCE EDUCATION

Introduction

The School of Continuing and Distance Education (SCDE) has been the leader in Open and Distance Learning (ODL) in Kenya for over 50 years. Through the use of ODL methods, the School has been able to achieve its objectives of providing learning opportunities to many Kenyans, especially those who have not been able to secure places in the existing universities.

The School has three departments, namely: Department of Educational Studies; Department of Extra-Mural Studies; and, Department of Distance Studies.

Courses offered

In 2011, the School offered programs in distance education, peace education, as well as a postgraduate diploma in education.

Enrollment

In 2011, the School enrolled the following numbers:

Diplomas:	2,370
Bachelor of Education (Arts):	5,234
Bachelor of Education (Science):	337
Post graduate diplomas:	48
MA :	774
Ph.D:	110

International students

In 2011, The School had four students drawn from Sudan and Rwanda.

Research activities

In 2011, members of staff were involved in research activities that included: the effect of teaching /resource centers; ICT and its pedagogical impacts; and transformational leadership.

International Links and Collaboration

In 2011, the School maintained links with the following institutions: African Virtual University; Makerere University, Uganda: and, University of Coventry, UK

Publications

- Aseye, A. (2011) ICT integration in Education, Lambert Academic Publishing, Germany, July.
- Bowa, O. (2011) The Relationship between Learner Characteristics and the Academic Performance of Distance Learners: The Case of the External Degree Programme of the University of Nairobi, JCODE Volume 1 Issue 2, January 2011.
- Mboroki, G. (2011) Distance Education: A Product or a Process? JCODE Volume 1 Issue 2, January 2011.
- Keiyoro, P.N., C.M. Gakuu, and H. J. Kidombo. (2011) Relationship between School Environment and Use of ICT in Teaching Science Curriculum in NEPAD and Cyber e-Schools in Kenya. JCODE Volume 1 Issue 2, January 2011.
- Nyonje, R, and D. Kyalo.(2011) Factors Influencing Access to Professional Development of Secondary School Managers in Kenya: Prospects for Distance Education –JCODE Volume 1 Issue 2, January 2011.
- Rambo, C. and P. Odundo(2011). Financing Practices Adopted by Distance Learners: Bachelor of Education (Arts), University of Nairobi, JCODE Volume 1 Issue 2, January 2011.
- Mbwesa, J.(2011) Analysis of the Instructional Effectiveness of Asynchronous e-Learning Environments in Kenya: A Case Study of Wedusoft Platform, University of Nairobi, JCODE Volume 1 Issue 2, January 2011.

Graduands

Diplomas:	1693
Bachelor of Education (Arts):	448
Bachelor of Education (Science):	41
PGDiploma:	24
M.A:	435

Papers presented

- Aseye, A. Poverty as a factor in determining human rights in education. Paper presented at the Conference on Poverty and Human Rights, Naivasha County Club, September 30, 2011.

PICTORIAL 2011



H.E. PRESIDENT MWAI KIBAKI, HANDS OVER THE TROPHY OF THE BEST INSTITUTION OF HIGHER LEARNING TO THE SHOW COMMITTEE CHAIRMAN, DR. FRED OTIENO.



MILLICENT MAPILI, INDUSTRIAL CHEMISTRY GRADUATE AND VALEDICTORIAN OF THE 44TH CONGREGATION IN A PRACTICAL SESSION.



NJOKI KARUOYA, ASSOCIATE EDITOR, STANDARD GROUP AND PATRON WOSWA AND WOSWA CHAIRPERSON, MICHELLE OSOK DURING THE LAUNCH OF THE MENTORSHIP PROGRAMME.

PICTORIAL



UNIVERSITY OF NAIROBI STAFF PARTICIPATE IN A BLOOD DONATION DRIVE HELD AT THE MAIN CAMPUS LAST YEAR.



PROF. GEORGE MAGOHA, RECEIVES A CHEQUE OF KSHS 2 MILLION FROM MRS VIJOO RATTANSI, DIRECTOR, RATTANSI EDUCATIONAL TRUST, TOWARDS SUPPORTING NEEDY STUDENTS.



CANADIAN HIGH COMMISSIONER TO KENYA, H.E. DAVID COLLINS WITH ONE OF THE BOOKS HE DONATED TO UoN.



PROF. ISAAC MBECHÉ, DEPUTY VICE-CHANCELLOR, STUDENT AFFAIRS, WITH THE MINISTER FOR PLANNING AND VISION 2030, HON WYCLIFFE OPARANYA DURING THE OFFICIAL OPENING OF THE ORSEA CONFERENCE ORGANIZED BY THE SCHOOL OF BUSINESS.



ALEXIS VOVK, MANAGING DIRECTOR, TOTAL KENYA WITH PROF. LUCY IRUNGU, DEPUTY VICE-CHANCELLOR, RPE, AND PROF. SIMEON MITEMA, DIRECTOR, CENTRE FOR INTERNATIONAL PROGRAMMES AND LINKS.

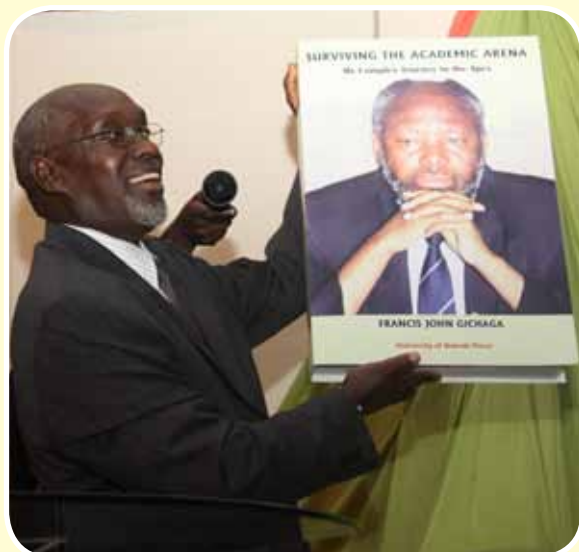
2011



THE GERMAN CHANCELLOR, DR. ANGELA MERKEL SIGNS THE VISITOR'S BOOK AT UoN.



H.E. MR. LI CHANGCHUN, A MEMBER OF THE STANDING COMMITTEE OF THE POLITICAL BUREAU OF THE CPC CENTRAL COMMITTEE VISIT THE UNIVERSITY.



HON. FRANKLIN BETT LAUNCHING PROF. FRANCIS GICHAGA'S BOOK.



PROF. WANGARI MAATHAI (LATE) HANDS OVER ARCHITECTURAL PLANS OF THE WANGARI MAATHAI INSTITUTE TO THE VICE-CHANCELLOR, PROF. GEORGE MAGOHA IN JULY 2011.



DR. JOHN KIRKLAND, DEPUTY SECRETARY, ASSOCIATION OF COMMONWEALTH UNIVERSITIES, WHEN HE PAID A COURTESY CALL ON THE VICE-CHANCELLOR.

6.00 College of Health Sciences

SCHOOL OF MEDICINE

History of the School

The School of Medicine was started on 3rd July, 1967 and was officially inaugurated on 7th March, 1968. In 2011, the School offered four courses of study at Bachelors level, two masters programmes, two doctorate programmes and a postgraduate diploma.

Enrolment

In 2011, the School enrolled the following numbers

Bachelor of Medicine and Bachelor of Surgery:	1683
B.Sc in Biochemistry:	213
B.Sc in Human Anatomy:	4
B.Sc in Medical Physiology:	7
Master of Medicine:	259
Master of Science: :	35
PGD in Substance Abuse:	2
Ph.D:	17

Graduands

In 2011, the School graduated the following numbers:

MB.CH.B :	282
Bachelor of Science in Biochemistry	60
Dip. In Clinical Audiology & Public Health Otology	3
Bachelor of Science in Human Anatomy	4
Bachelor of Science in Medical Physiology	6
Master of Med.	110
Ph.D	4

Outreach activities

In 2011, the School, through the department of Ophthalmology, conducted eye clinics in Garissa, Litien, and Kitui. Prof. Macharia, of the Dept of Surgery, fitted 4692 hearing aids to 2,346 school children and adults in Nairobi, Kisumu and Mombasa through Starkey Hearing Foundation, USA. in March 2011.

Research Activities

In 2011, faculty engaged in research in human medicine including cancer, HIV/AIDS, obstetrics, gynaecology, eye diseases, bone diseases, renal and heart disease, psychological and psychiatric problems.



The Medical Program Initiative (MEPI) team from the University of Nairobi with delegates from the collaborating Universities of Maryland and Washington.

Links and collaboration

1. School of Medicine, University of Nairobi and Charite University of Medicine, Berlin, Germany through a memorandum signed on July 31, 2011
2. School of Medicine, University of Nairobi and University of California, Irvine;- continuing
3. School of Medicine, University of Nairobi and The Nairobi Hospital through a memorandum signed on December 21, 2011
5. School of Medicine, University of Nairobi and The City Council of Nairobi through a memorandum signed on February 16, 2011
6. Department of Diagnostic Imaging and Radiation Medicine and the PCEA Kikuyu Hospital
7. Department of Ophthalmology and CBM Christoffel-Blindenmission Christian Blind Mission.
8. Department of Surgery, School of Medicine, University of Nairobi and University of Colorado Denver, Children's Hospital
9. Department of Surgery, University of Nairobi and Kijabe Hospital, Nairobi
10. School of Medicine, University of Washington Seattle and Department of Microbiology, School of Medicine, University of Nairobi, Kenya
11. University of Washington Seattle and Department of Obstetrics and Gynaecology, UoN)
12. University of Maryland, Seattle and Department of Obstetrics and Gynaecology, UoN)
13. University of Texas, U.S.A and Department of Clinical Medicine and Therapeutics, School of Medicine, University of Nairobi.
14. Department of Surgery UoN collaboration with Vanderbilt University, U.S.A
15. School of Medicine, University of Nairobi and Kanazawa University of Japan through a memorandum signed on October 4, 2011
16. Justus Liebig University of Giessen, Giessen, Germany and Department of Biochemistry
19. Cochin-Port Royal University Rene Descartes Paris and Department of Medical Microbiology.
20. School of Medicine and University of Manitoba, Canada
21. School of Medicine and University of Oxford, United Kingdom
22. Department of Ophthalmology, University of Nairobi; - Collaborations with Sightsavers International/Eastern African College of Ophthalmology/Mbarara University of Science and Technology,

Uganda/Muhimbili University of Health and Allied Sciences, Tanzania/Kilimanjaro Christian Medical Center, Tanzania/Light For The World- Austria and Operation Eyesight-Canada

Publications

1. Githinji C.G. Antinociceptive Effects of Stigma sterol and 9-Hexacosene Isolated from *Mondia Whytei* (Hook.F.) Root. et al. *International Journal of Phytopharmacology*. 2011,2(2),70-75.
2. Matheka D. A Kenyan perspective on the use of animals in science education and scientific research in Africa and prospects for improvement. *The Pan African Journal*. 2011;9:45
3. Butt F.M, (2011) The pattern and occurrence of ameloblastoma in adolescents treatment at a University teaching in Kenya; A 13 – year study. *J Craniomaxillofac Surg* (Epub ahead of print) PMID: 21458287
4. Saidi H, Njihia B, (2011) Clinical outcomes of colorectal cancer in Kenya. *Ann Afri Surg* vol 7.
5. Otsianyi KW, Naipanoi AP, Koech A (2011). The femoral collodiaphyseal amongst selected Kenyan ethnic groups. *J Morphol sci* 28(2):129-131).
6. Njihia BN, Awori KO, Gikenye G (2011). Morphology of the sacral hiatus in an African population implication for caudal epidural injections. *Ann Afr Surg* Vol 7.
7. Ogeng'o JA, Obimbo MM, Olabu BO, Gatonga PM, Ong'era D (2011). Pulmonary thromboembolism in an East African tertiary referral hospital. *J Thromb Thrombolysis* 32(3): 386 -391.
8. Ogeng'o JA, Malek A, Kiama SG (2011). Pattern of adrenergic innervations of aorta in goat (*capra Hircus*). *J. Morphol sci* 28(2): 81-83.
9. Saidi H, Mentoring the Modern African Surgeon: A call to arms. *Ann Afr Surg* vol 7.
10. Jamela H (2011). Comparative morphometry of the Olfactory Bulb, Tract and Stria in the Human, Dog and Goat. *Int J Morphol* 29(3):939-946.
11. Hassanali J. (20110. Regression and stimulation models for Human and Baboon Brain parameters. *Int J Morphol* 29(3):971-977.
12. Ogeng'o JA, Mwachaka PM, Olabu BO (2011). Vasa Vasora in the tunica media of goat aorta. *Int J Morphol* 29(3): 702-705.
13. Otsianyi WK, The correlation of esophageal body length with measure of external body parameters. *Int J Morphol* 29(3): 895-898.
14. Mwangi J.C, Management of bilateral fracture femur with implant failure: A case report. *East African Orthopaedic Journal: Vol 5 No 2, 2011*
15. Gakuu L.N, Proximal femoral periprosthetic fracture fixation with a hooked locking plate: A Kenyan Experience. . *East African Orthopaedic Journal: Vol 5 No 2, 2011.*
16. Mulimba J.A.O, Management of Avascular Necrosis of Femoral head (ANFH) in Sickle cell Disease. . *East African Orthopedic Journal: Vol 16 No 1, 2011.*
17. Anzala OMU, Characterization of a Human Cervical CD4+ T cell Subset Coexpressing Multiple Makers of HIV Susceptibility. *J Immunol*. 2011 Dec 1; 187(11):6032-42. Epub 2011 Nov 2.
18. Anzala OMU, HIV transmission in sub-Saharan Africa occurs through sex. *J Reprod Immunol*. 2011 Oct; 66(4):250-1. Doi: 10.1111/j.1600-0897.2011.01062.x.No abstract available.
a. PMID: 21902755 [PubMed – in process]
19. Jaoko W, Bacterial Vaginosis, HIV serosatus and T cell subset distribution in a cohort of East African commercial sex workers: retrospective analysis. *AIDS*. 2011 Nov 16. [Epub ahead of print]
20. Jaoko W, A prospective study of vaginal trichomoniasis and HIV-1 shedding in women on antiretroviral therapy. *BMC Infect Dis*. 2011 Nov 3; 11: 307.
21. Kahaki K, Njuguna M. The incidence and distribution of retinoblastoma in Kenya". *British journal Ophthalmology* vol 96.
22. Borkow G, Covington C.Y, Gautam B, Anzala OMU, Oyugi J, Juma M, Abdullah M.S. Prevention of Human

- Immunodeficiency virus breast milk transmission with copper oxide: proof-of-concept study. *Cupron Scientific*. 2011 Aug; 6:165-70. Cupron Scientific, Mdi'in, Israel.
23. Tang J, Cormier E, Gilmour J, Price M.A, Prentice H.A, Song W, Kamali A, Karita E, Lakhi S, Sanders E.J, Anzala OMU, Amornkul P.N, Allen S, Hunter E, Kaslow R.A, Human Leukocyte Antigen Variants B*44 and B*57 are consistently favorable during two distinct phases of primary HIV-1 Infection in Su-Saharan Africans with several Viral Subtypes. IAVI African HIV Research Network. 2011 Sep; 85(17):8894-8902. Epub 2011 Jun 29, International AIDS Vaccine Initiative, Human Immunology Laboratory, Chelsea and Westminster Hospital, 369 Fulham Rd, London SW10 9NH, United Kingdom. For the IAVI African HIV Research Network
 24. Barouch DH, Weverling GJ, Dilan R, King SL, Clark S, Ng'ana'a D, Brandariz KL, Abbink P, Sinangil F, de Bruyn G. Anzala OMU, International Seroepidemiology serotypes 5, 26, 35, and 48 in pediatric and adult populations. 2011 July 18; 29(32):5203-9. Epub 2011 May 25. Source: Division of Vaccine Research, Beth Israel Deaconess Medical Centre, Boston, MA 02215, USA. dbarouch@bidmc.harvard.edu
 25. Kurth AE, McClelland L, Wanje G, Ghee AE, Peshu N, Mutunga E, Jaoko W, Storwick M, Holmes KK, McClelland S, An integrated Approach for Antiretroviral Adherence and secondary HIV Transmission Risk-Reduction support by Nurses in Kenya. 2011 July 29.(Epub ahead of print)
 26. Balkus JE, Richardson BA, Mandaliya K, Kiarie J, Jaoko W, Ndinya-Achola JO, Marrazzo J, Farquhar C, McClelland RS., Establishing and sustaining a healthy vaginal environment: analysis of data from a randomized trial of periodic presumptive treatment for vaginal infections. 2011 Jul; 204(2):323-6. Source: Department of Epidemiology University of Washington Seattle, wa 98104, USA. Jbalkus@u.washington.edu.
 27. Mdodo R, Moser SA, Jaoko W, Baddley J, Pappas P, Kempf MC, Aban I, Odera S, Jolly P., Antifungal Susceptibilities of *Cryptococcus neoformans* cerebrospinal fluid isolates from AIDS patients in Kenya. 2011 Sep; 54(9):e438-42. Doi: 10.1111/j.1439-0507.2010.01946.x. Epub 2011 May 3. Source: Schhol of Public Health, University of Alabama at Birmingham, AL, USA Division of Laboratory Medicine, Department of Medical Microbiology and Kenyatta National Hospital, University of Nairobi School of Medicine, Nairobi, Kenya School of Medicine, University of Alabama at Birmingham, AL, USA.
 28. Choi RY, Fowke KR, Juno J, Lohman-Payne B, Oyugi JO, Brown ER, Bosire R, John-Stewart G, Farquhar C, Cc868t Single Nucleotide Polymorphism and HIV-1 Disease Progression among Post-Partum Women in Kenya. 2011 Sep 9. Source: University of Washington, Department of Medicine, Seattle , Washington, United States; ryc@u.washington.edu.
 29. Borkwe G, Covington CY, Gautam B, Ojugi J. Anzala O, Juma M, Abdullah MS. Prevention of Human immunodeficiency virus breast milk transmission with copper oxide: proof-of-concept study.2011 Aug; 6:165-70.Source: Cupron Scientific, Mdi'in Israel.

Papers presented

1. Butt F, Double modality technique in the management of challenging circumoral and oral haemangiomas; a Kenyan experience. 1st College of Health Sciences, University of Nairobi. International Scientific Conference, 15-27 June, 2011. Nairobi
2. Butt F, Ogeng'o JA. Pattern of Odontogenic and Non- odontogenic tumours in a kenyan population: a 19yr audit. 1st College of Health Sciences, University of Nairobi. International Scientific Conference, 15-27 June, 2011. Nairobi
3. Butt F, A 10yr audit on the patterns of occurrence of salivary gland tumors as seen at the University of Nairobi Dental Hospital. 1st College of Health Sciences, University of Nairobi. International Scientific Conference, 15-27 June, 2011. Nairobi.
4. Butt F, Treatment of Keratocystic tumor by marsupialization: a case report. . 1st College of Health Sciences, University of Nairobi. International Scientific Conference, 15-27 June, 2011. Nairobi.

SCHOOL OF NURSING SCIENCES

The School of Nursing Sciences is one of the Schools of the College of Health Sciences. Functionally, the School has four thematic areas namely: medical/surgical nursing, obstetrics /midwifery and gynaecological nursing, community health nursing and nursing education and administration.

Courses offered

The School run two programmes namely: Bachelor of Science in Nursing (BSc.N) and Master of Science Degree in Nursing (MSc.N).

Enrollment

In 2011, the School enrolled 349 students in the Bachelor of Science in Nursing (BSc.N) programme.

In addition the School mounted the BSc.N (upgrading programme) which admits the diploma holders in the field. This programme to be conducted in the evenings, will assist the diploma holders to upgrade to degree level. The Master of Science Degree in Nursing (MSc.N) had 28 students while five students registered for the Doctorate degree in Nursing (Ph.D Nur.)

Graduands

In 2011, the School graduated the following numbers:

B.Sc. Nursing:	53
M.Sc. Nursing:	11

The School had international students from Tanzania, Malawi and Cameroon.

Activities

In 2011, the School participated actively in the activities of the Nursing Council of Kenya which is the National regulatory body in Kenya. This included: participation in research meetings. Other activities included mounting of e-learning programme for the upgrading of Certificate (Enrolled) Nurses to the Diploma

(Registered) level in collaboration with the African Medical and Research Foundation (AMREF) and conducting free medical camps in collaboration with the National Nurses Association of Kenya (NNAK)

Research

In 2011, members of staff were involved in research in the following areas: nurse attitude towards adolescents with sexual and reproductive health problems, substance abuse, pica practice in pregnant women, health systems management, adolescent reproductive health, and, antenatal, post natal care and child health care.

Publications

Michire,N, A. A. Ongany; J. Mwaura (Kenya Nursing 2011 Volume 39 No.2) ; Knowledge, attitudes and practice of restraint and seclusion of aggressive psychiatric inpatients as a method of nursing at Mathari Hospital, Nairobi.

Makworo, D, M. Muiva; E. Odhiambo; B. Omuga; (Kenya Nursing 2011 Volume 39 No.2) Determination of the daily nursing procedures performed to children admitted with medical conditions at Kenyatta National Hospital, Kenya.

Mageto, G.I Irene, J. O. Musandu , M.N. Chege, J. Mwaura (Kenya Nursing 2011 Volume 39 No.2) ; Factors influencing ethical decision making among psychiatric nurses at Mathari Hospital in Nairobi.

Syallow C.M. A. Karani et.al: (Kenya Nursing 2011 Volume 39 No.2) Job satisfaction among nurses and delivery of quality health care services – terms and conditions of services; a case study of Rift Valley.

Kivuti, L.; and Chepchirchir, A. (February 2011). Computerization readiness. Online Journal of Nursing Informatics (OJNI), 15, (1), Available at <http://ojni.org/issues/p=178>.

Kangeth, S, E. Onditi ,A.Karani June 2011; Pregnancy and the university female student: the role of peer counselling in mitigating challenges and problems; Kenya Nursing Journal; Volume 40.

SCHOOL OF PHARMACY

The School of Pharmacy started as a Department of Pharmacy in the then Faculty of Medicine in 1974 and attained Faculty status in July 1995. The School comprises three departments: Department of Pharmaceutical Chemistry, Department of Pharmacology & Pharmacognosy and Department of Pharmaceutics and Pharmacy Practice. Pre-clinical courses are taught by a complement of service departments within the University.

The School is charged with the mandate of training high caliber pharmaceutical health care personnel who provide pharmaceutical services to the community, industry and conduct innovative research in relevant areas.

Courses offered

In 2011, the School offered the following courses: Bachelor of Pharmacy, Master of Pharmacy in specialized areas of pharmacognosy and complementary medicine, pharmaceutical analysis, industrial pharmacy, pharma-covigilance & pharmacopidemiology, and molecular pharmacology

Enrollment

In 2011, the School enrolled the following numbers:

Postgraduate : 42

Undergraduate : 365

International student component

In 2011, the School enrolled four international students from Namibia, Cameroon and Uganda.

Research activities undertaken

In 2011, members of Faculty engaged in research that included: screening of traditional

herbs or their properties, investigation of plants used in wound healing, study of malaria treatment herbs, and clinical response and pharmacokinetics of antiretroviral drugs in Kenyan HIV patients.

International links and collaboration

In 2011, the School maintained a link with: Tianjin University of Traditional Chinese Medicine, AiBst of Zimbabwe, EDULINK MEDISHARE Project (Italy), Katholieke Universiteit Leuven, Belgium, Mercer University, USA, and, Kansas University.

Locally, the School maintained links with industries on drug analysis and good manufacturing practices including: Lab & Allied, Reddys Ltd, Medox Pharmaceuticals, Laborex (k) Ltd, Kenya Agriculture Research Institute, Glaxo smithkline ltd, Reckitt & Benkiser, Bayer E.A Ltd, Regal Pharmaceuticals, Glenmark Ltd, Tablets (India) Ltd, Laborate Pharma, and , Intas Pharmaceuticals Ltd

Publications

Okalebo, F. (2011) Terpurinflavone: An antiplasmodial flavone from the stem of Tephrosia Purpurea – Phytochemistry Letters 4 176-178.

Okalebo, F.(2011) Pharmacological screening of extracts of clematis brachiata THUNBERG (RANUNCULACEAE) East Africa J.2(1): 279,

Guantai, E. (2011) Extracting molecular information from African natural products to facilitate unique African led drug- discovery efforts – Future Science (2011) 3(3)

Graduands

Undergraduates: 70

Postgraduates: 10

SCHOOL OF PUBLIC HEALTH



The Vice-Chancellor, Prof. George Magoha, officially opens the School of Public Health.

Introduction

The School of Public Health was established in September 2010 following the approval of Senate, this was followed immediately with the appointment of the Director and thematic heads.

The School was officially launched on 22 February 2011 in a colorful ceremony presided over by the Vice Chancellor, UoN .

The mission of the School is to provide quality public health education and training, research and service delivery that embodies the aspirations of the Kenya people and global community through creation, preservation, integration, transmission and utilization of public health knowledge.

The objectives of the School are to develop a world class institution that facilitates the realization of the vision to strengthen public health training, research capacity and provision of services to the local and international community.

In 2011, the School had an academic staff of 17 with specialisations in: clinical and behavioural sciences, public health, nutrition, health economics, health systems management and environmental and occupational health.

Courses offered

In 2011, the School offered community health as a service course to second and fourth years in the MBChB programme, additionally the School offered the Master of Public Health (MPH)

Enrolment

In 2011, the School enrolled 80 students in the Master of Public Health programme

Graduands

In 2011, the School graduated the following numbers:

MPH:	3
Ph.D:	1

Research activities underway:

In 2011, the School received ethical approval to carry out research on the occurrence and risk factors for Typhoid fever amongst prisoners in Nairobi. The school submitted a proposal on the determinants of malaria at the community level for submission to MEPI for seed funding.

Links and collaborations:

In 2011, the School had several visitors with whom linkages and collaborations were

discussed. Some of the highlights included collaboration on the use of the EPISURVEYOR for data collection; development of MSc in Leadership and Health Systems Management, operationalisation of a diploma course in applied epidemiology and surveillance, and inception of training in public health communication.

Among some of the international and local agencies that the School established a working relationship include: KEMRI-Wellcome Trust; University of Manitoba, Centre for Global Public Health; WHO; CDC-Kenya; Johns Hopkins School of Public Health, Baltimore; Tufts Univ. Boston Mass USA; and Simon Fraser Univ., Vancouver, Canada.

Workshops/Conferences

Towards the end of the year, the School participated in Health Alliance Africa hub meeting held in Nairobi.

Papers presented

- Thuita F. : Effect of participation in microfinance programs by low income women on child care and health seeking behaviour” .A paper presented at the first international scientific conference organized by the College of Health Sciences in May 2011.
- Thuita, F. Nutritional Impact assessment tool for maximizing positive impact of agricultural interventions on nutritionally vulnerable populations” Paper presented at the international workshop for country and regional coordinators of ACFs food security and livelihood programmes, Africa, Asia, Latin America and Europe, Nakuru, October 11, 2011
- Thuita F. Influence of grandmothers and men on infant and young child feeding practices during the first 1000 days. Paper presented at the Food Security and Nutrition Network meeting in Maputo, Mozambique, in September, 2011.

Research

Njeru E, developed a collaborative research protocol with PATH’s Infant and young child nutrition for a follow-up intervention study on “effect of engagement of men and grandmothers on maternal and young child dietary practices”. The study was approved by the KNH/UoN Ethics review committee and baseline survey conducted at two study sites (Hamisi and Vihiga sub-locations) and in the control area in Mambai sub-location in Sabatia district.

Njoroge,P, was the principal investigator on maternal and neonatal outcomes at Kenyatta National Hospital” in a collaborative research jointly with the University of Manitoba and KNH

Publicatons

- Ayah, R. (2011) “An introduction to public health”, a textbook for medical and public health students . ISBN 9966-05-370-0.
- Opwora S. A., Ahmed M.R. L., Nyabola L.O., Olenja M. Joyce,. Who is to blame? Perspectives of caregivers on barriers to accessing health care for the under-fives in Butere District, Western Kenya. BMC Public Health 2011, 11:272
- Crockett M., Njoroge P., Kihara A., Murila F., Avery L. Ushirikiano: Building research capacity to improve maternal neonatal child health outcomes in Kenya and Canada - Poster Presentation at the 2011 Global Health Conference in Montreal Canada (November 13-15, 2011).
- Angelo T.1, Felisha Rohan-Minjares, Kate McCalmont, Rebecca Ashton, Rose Opiyo and Mutuku Mwanthi: Feasibility and effectiveness of supplementation with locally available foods in prevention of child malnutrition in Kenya. Public Health Nutrition: page 1 of 8 doi:10.1017/S1368980011002217
- DG Stromberg, J Frederickksen, J Hruschka, A Tomedi, Angelo, M Mwanthi: A

community health worker programme for prevention of malaria in eastern Kenya. Education for Health, Vol.24, Issue 2, 2011.

- Jefitha Karimurio, Hillary Rono, Richard Le Mesurier, Mutuku Mwanthi, Jill Keeffe: What are the correction factors for extrapolating the overall prevalence and backlog of trachomatous trichiasis in surveys which are not standardized? British Journal of Ophthalmology March 2011.
- Salome Ireri, Kieran Walshe, Lawrence Benson, Mutuku A. Mwanthi: A qualitative and quantitative study of medical leadership and management: experiences, competencies, and development needs of doctor managers in the United Kingdom. Journal of Management and Marketing in Healthcare Vol.4,NO.1, Feb 2011, PP.16-29.
- Nyblade, Laura; Singh, Sagri; Ashburn, Kim, Brady, Laura; Olenja, Joyce. "Once I begin to participate, people will run away from me": Understanding stigma as a barrier to HIV vaccine research participation in Kenya. Vaccine 2011. Elsevier. DOI: 10.1016/j.vaccine.2011.09.067 vol.29 Issue 48 Pgs 8924- 8928
- Kenneth Ngure, Nelly Mugo, Connie Celum, Jared M Baeten, Martina Morris, Owuor Olungah, Joyce Olenja, Harrison Tamooh, Bettina Shell-Duncan. A qualitative study of barriers to consistent condom use among HIV-1 serodiscordant couples in Kenya. AIDS CARE (impact factor: 1.68). 11/2011; DOI: 10.1080/09540121.2011.613911
- Lisbet, Grut, Olenja Joyce and Benedicte, Disability and barriers in Kenya in poverty and disability- A global challenge. The Policy Press, London 2011
- Yoder S.P. Olenja, J. Muhunzu, I. The community component of Kenya service provision assessment. In Kenya Service provision Assessment (KSPA), National Coordinating Agency for Population and development (NCAPD), Ministry of Medical services (MOMs), Ministry of Public Health

and sanitation (MOPHS), Kenya National Bureau of Statistics (KNBS), ICF Macro 2011.

- Rohan-Minjare, F., Tomedi, A., McCalmont, K. Ashton, R., Opiyo, R. & Mwanthi, M. (2011). Feasibility and effectiveness of supplementation with locally available foods in prevention of child malnutrition in Kenya. Public Health Nutrition.

SCHOOL OF DENTAL SCIENCES

Introduction

The School of Dental Sciences (SDS) is one of the five schools that constitute the College of Health Sciences (CHS). The School started from a humble beginning in 1974 as the Department of Dental Surgery, in the then Faculty of Medicine. The Department of Dental Surgery was upgraded in 1995 to create the Faculty of Dental Sciences, which became a School in 2005, with four Departments namely: Oral/Maxillofacial Surgery, Oral Medicine/ Pathology and Oral/Maxillofacial Radiology; Conservative and Prosthetic Dentistry; Paediatric Dentistry and Orthodontics; and, Periodontology/Community & Preventive Dentistry.

Courses offered

In 2011, the School offered one undergraduate course leading to a degree in dental surgery. At postgraduate level, the School offered four courses at master's level with specializations in Paediatric Dentistry; Oral Maxillofacial Surgery; Periodontology/ Periodontics; and, Prosthodontics

Enrollment

In 2011, the School enrolled the following numbers:

Undergraduates:	149
Postgraduates:	23

International links and collaboration

The School maintained links and memorandum of co-operation with Nagasaki University and Glaxosmithkline Limited.

Publications

- Amisi, S.K, B.K Kisumbi, Simila,H.O.(2011) Pre-extraction photographs in selection of artificial teeth. JKDA: 4:114-119
- Ober O., JA,Abdulhalim H, Dimba EAO (2011) Dentinogenesis imperfect –A case report:JKDA:4:120-123
- Dimb, J., F.G, Macigo (2011) Knowledge, attitudes and perception of smoking dental patients on oral health risks associated with cigarette smoking..JKDA: 4:108-113
- Kaaria MM, and Wagaiyu E.G. (2011) Periodontal treatment needs of psychiatric inpatients in Mathari mental hospital. JKDA:4:103-107
- Mua, E.G (2011) Periodontal treatment needs of Psychiatric inpatients in Mathari Mental Hospital.JKDA:4:103-107
- Mutave R.J , Matu N.K, Gathece L.W (2011) Knowledge, Practices and Attitudes of Clinical years dental students at the University of Nairobi towards HIV/AIDS patients. JKDA:4:98-102
- Anver M, Opinya G,Hussein A (2011) HIV related oral manifestations of children and adolescents aged 2-15 years living with HIV in Nairobi and Mombasa.,JKDA:4:93-97
- Gathece,J.L , M.L Chindia, E.A.O Dimba, W.Odhiambo (2011) Clinical fractures and types of paediatric orofacial malignant neoplasms at two hospitals in Nairobi. Journal of Cranio-Maxillofacial Surgery 2011(1-7)
- Kemoli, A.M. and G. Opinya (2011) . Two year survival rates of proximal atraumatic restorative treatment restorations in relation to glass ionomer cements and post restoration meals consumed. Paediatric Dentistry BVol. 33no. 3 May/June 2011

Graduands:

In 2011, the School graduated the following numbers:

Bachelor of Dental Surgery	32
Master of Dental Surgery	5

Papers Presented

The following abstracts h were presented during the 1st College of Health Sciences, Scientific Conference (15th -17th July 2011):

- Proposed double modality technique in the management of challenging circumoral and oral haemangiomas:A Kenyan experience. SW Guthua,TM Osundwa,FG Macigo, F. Butt K.Wakoli and Wagaiyu E.G.
- Effects of oral hygiene, residual caries and cervical marginal gaps on 2-year survival of proximal ART restorations.AM Kemoli,GN Opinya,WE Amerongen
- Traumatic dental injuries in relation to oversets and lip posture in 12-15 year olds in Nairobi, Kenya. MK.Muasya, PM.Ng'ang'a, GN.Opinya and FG.Macigo.
- Nutritional status of 5-15 year old children with hearing disability in comparison to those without hearing disability. JM.Njama,EM Ngatia,GN Opinya,LW. Gathece.
- Case report on the challenges in identification of skeletized remains.D, Nyamunga, AL.Kalsi, TJ.Ocholla.
- Pattern of Odontogenic and Non-Odontogenic tumours in a Kenyan population (A 19 year audit) F.Butt,JK. Bahra,ML. Chindia,J.Ogeng'o
- A 10 year audit on the patterns of occurrence of salivary gland tumours as seen at the University of Nairobi Dental Hospital. JK.Bahra, F.Butt,FG. Macigo,EO Dimba
- Effect of light intensity on the cure characteristics of photo-polymerise dental composites.BA Kassim,BK.Kisumbi,WR. Lesan,LW.Gathece

- Knowledge, attitude and practice of dental flossing among dental and medical students of the University of Nairobi. JM. Nyamai, Mutave RJ, BK. Kisumbi.
- Effect of malocclusion on the oral health –related quality of life of 12-14 year olds in Viwandani slum, Nairobi. IA. Opondo, A. kemoli, JL. Nesa, LW Gathece.
- Treatment of keratocystic odontogenic tumor by marsupialization: A Case report. K. Syed, F. Butt.
- Characteristics of study proposals at the Kenyatta National Hospital and College of Health Sciences. WO. Mwanda, G. Opinya, E. Ngugi, F. Otieno, J. Osanjo and J. Oyugi.
- Pattern of occurrence of jaw cysts and cyst-like lesions at University of Nairobi dental hospital: A ten year histopathology audit. C. Micha, M. Chindia, E. Dimba, D. Awange, T. Osundwa.

Community Service/Outreach

The School of Dental Sciences is a teaching and referral University Dental Hospital. In 2011, the School maintained its annual community dentistry outreach programmes in efforts to alleviate suffering, reduce the burden of oral diseases and improve oral health by providing free curative, preventive and promotive dental services to the needy members of the public who have little or no access to oral health care facilities particularly in remote areas of the country.

Again, in 2011, through Operation Smile, members of the School participated in the annual reconstructive surgical campaign that has benefited thousands of children and adults with cleft lip and palate and other oral and maxillofacial anomalies.

In the area of research, the School conducted extensive research in a wide range of disciplines and provided answers to many previously unanswered questions in areas such as fluorides and fluorosis, malocclusion and child dental health, epidemiology and

prevention of oral diseases, oral cancer and pre-cancer, oral and maxillofacial traumatology, head and neck oncology as well as socio-cultural influence on oral health.

INSTITUTE OF TROPICAL AND INFECTIOUS DISEASES

Introduction

UNITID is in its eighth year of existence since its establishment in 2003.

Courses Offered

As in the past, only graduate courses were offered in the Institute. These include: Postgraduate Diploma in Biomedical Research Methodology [PGDRM], Master of Science in Tropical and Infectious Diseases [MSc.TID] Master of Science in Medical Statistics [MSc. Med stat] and PhDs.

Enrollment

In 2011, the Institute enrolled the following numbers:

Postgraduate Diploma in Biomedical Research Methodology:	6
M.Sc. Tropical and Infectious Diseases:	18
M.Sc. Medical Statistics:	15
Ph.D:	5

In addition UNITID fellowships were given to 27 candidates.

A two-week international course in Multi-Variable Statistics Using Stata 11 Software was held between August 22nd to September 2nd 2011. Participants were drawn from: Kenya (7),



Millicent Mapili, industrial Chemistry graduate and Valedictorian of The 44th congregation in a practical session.

Ethiopia (3), Zambia (2), Uganda (2), Gambia (1), Ghana (1), and Tanzania (1). The course was sponsored by DANIDA through the DBL Centre for Health Research and Development, University of Copenhagen.

Micro-Research workshop: A two-week workshop on community based research was held between 13th and 25th November, 2011 in collaboration with staff from Dalhousie University, Nova Scotia, Canada.

Collaboration and Linkages

In 2010/2011 academic year, the Institute established links with agencies and organizations including: University of Manitoba, Canada, University of Washington, Seattle; University of Copenhagen Denmark;

Centre for Disease Control & Prevention (CDC); and Pfizer Laboratories South Africa. At the local level, the Institute maintained its links with : Nairobi City Council, Public Health Department, Pumwani Maternity Hospital, Tigoni District Hospital, Kenya Medical Research Institute (KEMRI), Kenyatta National Hospital and Siaya District Hospital.

Graduands

In 2011, the Institute graduated the following numbers:

M.Sc. Tropical and Infectious Diseases:	4
M.Sc. Medical Statistics	3
PGD Research Methodology:	5

7.00 College of Humanities and Social Sciences

CENTRE FOR ADVANCED STUDIES IN ENVIRONMENTAL LAW AND POLICY (CASELAP)

Introduction

CASELAP has its origins in a recommendation made by a committee of the University Council on 10th July 2002, that some thought be given to the establishment of a programme in environmental studies which does not duplicate those that were available in the country at the time.

On September 20, 2007 the University Council approved the establishment of the Centre for Advanced Studies in Environmental Law and Policy (CASELAP) as a faculty level unit committed to teaching, research and outreach in the important field of environmental governance, comprising environmental law, policy and diplomacy at national and international levels.

Courses offered

In 2011, the Centre offered the following courses: M.A. in Environmental Policy, M.A. in Environmental Law and, PhD in Environmental Policy.

Enrolment

In 2011, the Centre admitted 13 students for the MA in Environmental Law and 20 students for the MA in Environmental Policy. The Centre had one international student from Ethiopia.

Research

In 2011, the Centre, with funding from the International Development Research Centre (IDRC), under leadership of Prof. P. Kameri-Mbote and Dr. C. Nyamu-Musembi, carried out

research on access to land and land-based resources among women in pastoralist and forest-dwelling communities in East Africa.

Agwata, J.F continued with the Vicres research project on Trans-boundary Water Resources Management in the Kagera, Sio and Yala Catchments of the Lake Victoria Basin. The project is funded by SIDA/SAREC through the Inter University Council of East Africa under the Victoria Research Initiative (VicRes) Programme

International links and collaborations

In 2011 the Centre maintained its links with Ghent University, Belgium, University of Ottawa, Canada, and University of Gothenburg, Sweden.

Publications

Okidi, C.O(2011) "Capacity Building in Environmental Law in African Universities" in Benedickson, Jamie, Environmental Law and Sustainability after Rio (Cheltenham UN 2011) pp. 31-46

Ouma C., A. L. Roca, T. Were, E.O. Raballah, N. O. Oguge, W. G.Z.O. Jura, J.W. Ochieng, O.Hanotte, and N. Georgiadis (2011) Genetic Structure of Hartebeest Populations Straddling a Transition Zone between Morphotypes. J. Basic. Appl. Sci. Res. 1(3): 131-149.

Mariita, R.M., C.K.P.O. Ogol, N.O. Oguge and P.O. Okemo (2011) Methanol Extract of three Medicinal Plants from Samburu in northern Kenya show Significant Antimycobacterial, Antibacterial and Antifungal Properties. Res. J. Med. Plant 5: 54-64.

Olesarioyo, J., Ogara, W., Muchemi, G. and Oguge, N. (2011) People, Livestock and Wildlife: Existing Best Natural Resource Management Practices in Naibunga and

Namunyak Community Based Conservancies. Pp 90-105. In: N. O. Oguge, E. Omolo & C. Lumosi (Eds). *Climate Change and Natural Resource use in Eastern Africa: Impacts, Adaptation and Mitigation*. Proceedings of the 3rd Scientific Conference of the Ecological Society for Eastern Africa. Ecological Society for Eastern Africa, Regal Press, Nairobi, Kenya, 421 pp.

Ongoro, E., Ontita, E., Oguge, N. and Ogara, W. (2011). *Climate Change and the Emergence of Helter-Skelter Livelihoods among Pastoralists of Samburu East District, Kenya*. Pp 143-150. In: N.O. Oguge, E. Omolo & C. Lumosi (Eds). 2011. *Climate Change and Natural Resource use in Eastern Africa: Impacts, Adaptation and Mitigation*. Proceedings of the 3rd Scientific Conference of the Ecological Society for Eastern Africa. Ecological Society for Eastern Africa, Regal Press, Nairobi, Kenya, 421 pp.

Mulwa, R. and Emrouznejad, A. (2011): *Measurement of Productive efficiency using Nerlovian efficiency indicator and metafrontier*, Operational Research pp. 1-17. doi:10.1007/s12351-011-0119-1.

Muigua, D.K (2011) "Natural Resource Conflicts Resolution; What Has A Company Got To Do With It?" Published in *The Professional Management Journal* for the institute of Certified Public Secretaries of Kenya: April 2011; Nairobi, Kenya.

Kibugi, R. (2011) "New Constitutional Environmental Law in Kenya: Changes in 2010" 2011(1) *IUCN Academy of Environmental Law e-Journal*, 136-142. (A Country Report) online: <http://www.iucnael.org/en/e-journal/current-issue.html>

Kibugi, R (2011) . "Enhanced Access to Environmental Justice in Kenya: Assessing the Role of Judicial Institutions" in J. Benidickson, A. H. Benjamin, B. Boer and K. Morrow (eds) *Environmental Law and Sustainability After Rio* (Cheltenham: Edward Elgar, 2011) Online: http://www.e-elgar.co.uk/bookentry_main.lasso?currency=UK&id=14377

Odote, C. and J. Troell (2011) "Climate Change Adaptation and Water in Kenya: Governing for Resilience" in F. Ryo and M. Kawanishi (Eds) *Climate Change Adaptation and International Development: Making Development Cooperation More Effective* (Earthscan, London, 2011) pages 259-285.

Papers presented

Okidi, C.O . International legal responses to threats to marine biological diversity from pollution, a paper delivered to the 8th Annual Colloquium of IUCN Academy of Environmental Law, on 17th September, 2012 at Gent University, Belgium..

N. Oguge, P. Mwangi & A. Oroda. participatory resource mapping and biodiversity assessments: involving the Samburu communities in conservation programmes in northern Kenya. 12th European Ecological Federation Congress 25-29 September 2011, Ávila, Spain.

Mwangi, P. and Oguge, N. Land cover mapping and change in Samburu East, and impacts of climate variability and change on dry land ecosystems. Workshop on Samburu Regional Initiative: generating evidence for conservation policy of dry land landscapes, Bomen Hotel, Isiolo, 25 February 2011.

Oroda, A., Mwangi, P. and Oguge, N. Community participatory resource mapping and vegetation monitoring, Samburu East. Workshop on Samburu Regional Initiative: generating evidence for conservation policy of dry land landscapes, Bomen Hotel, Isiolo, 25 February 2011.

Ndakala, J., Oningo, Z. and Oguge, N. Plant inventory and key indicator species to habitat and climate change, Samburu East. Workshop on Samburu Regional Initiative: generating evidence for conservation policy of dry land landscapes, Bomen Hotel, Isiolo, 25 February 2011.

Muigua. D.K Overview of arbitration and mediation in Kenya"; A Paper Presented at a Stakeholder's Forum on Establishment

of Alternative Dispute Resolution (ADR) Mechanisms for Labour Relations In Kenya, held at the Kenyatta International Conference Centre, Nairobi, on 4th – 6th May, 2011.

Muigua, D.K “Dealing with conflicts in project management”: A Paper Presented at the Continuous Professional Development Workshop for Architects and Quantity Surveyors on 22nd & 23rd September 2011 at Safari Park Hotel.

Kibugi, R. A view of Africa: balancing interests for sustainable development” Symposium on Diplomacy and Sustainable Development, Ottawa, Canada, 27 January 2011

Kibugi, R. “Human right to water in the 2010 Constitution of Kenya: legal and policy

approaches for the urban poor,” Paper presented at the 9th Annual Colloquium of the IUCN Academy of Environmental Law, Mpekweni Beach Resort, Eastern Cape, South Africa, July 2011.

Agwata, J. F. 2011: Sources and utilization of water in Sio catchment of lake Victoria basin, Kenya. Paper presented at the Lake Victoria Research Initiative (VICRES) Natural Resources and Land Use Cluster Workshop held at the Methodist Guest House and Conference Centre, November, 9th- 12th, 2011

Graduands

In 2011, the Centre graduated one Ph.D degree candidate.

FACULTY OF ARTS

Introduction

The Faculty of Arts is one of the oldest faculties of the University, with 186 full- and 16 part-time lecturers. The Faculty has eight departments and one sub-department offering courses in: geography and environmental studies, history and archaeology, sociology and social work, political science and public administration, philosophy and religious studies, linguistics and languages, literature, communication skills and French, at diploma, bachelor’s, master’s and Ph.D. levels.

Graduands

In 2011, the Faculty graduated

Ph.D.	8
Masters of Arts	139
Postgraduate diploma	2
Bachelors of Arts	1,262
Ordinary diploma	256

Enrolment

In 2011, the Faculty enrolled the following numbers:

Certificate:	86
Diploma:	694
Bachelors:	7269
Postgraduate Diploma:	28
Masters:	894
Ph.D.:	20

Papers Presented

Agoya, C.W., The future of German in Kenya, Paper presented at the Sixth International Ganaa workshop on multilingualism and language policies.

Chitere, P.O. Routes and termini for para-transit transport in Nairobi. Paper presented at the South African Transport Conference, Pretoria, June, 15-19, 2011

Kyule, D.M. Building bridges between

evolution and religion. Paper presented during the prehistory clubs of Kenya, at the National Museum of Kenya, July 31st – August 2nd, 2011

Maweu, J.M. Our or their media? Media ethics, corporate media and the promotion of the dominant ideology in Kenya. Paper presented at the first International Forum on Media and Information literacy, June 13-17, 2011

Mbugua, K. The problem of hell revisited: towards a gentler theology of hell. Paper presented at the University of Nairobi and University of QOM Joint Philosophy Workshop, Nairobi, 18th April, 2011

Mwangi Iribe. Poverty as a hindrance to the realization of children's rights: evidence from Kenya vis a vis the Children's Act No. 8 of 2001. Paper presented at an International Conference on Human Rights organized by the Center for Human Rights and Peace, University of Nairobi, Naivasha, September, 2011.

Oduor, J.A. Body parts in Dholuo: meaning and associated metaphors. Paper presented at University of Warsaw, October, 2011.

Opondo, M. Climate change adaptation in Kenya: the Sakai community's experience. Paper presented at the First Climate Change and Development for Africa (CCDA-1) Conference, Addis Ababa, Ethiopia, 17-19 October 2011.

Owuor, S.O. Trends and patterns of urbanization process in Kenya. Paper presented at the UPIMA Workshop. Bagamoyo, Tanzania, February 25-28, 2011.

Owuor, S.O. Urban poverty and governance in sub-Saharan Africa. A public lecture delivered in Yokohama National University. Yokohama, Japan, 12 October 2011.

Owuor, S.O. & J. Walubwa. Kenya slum upgrading programme: community participation, impact and challenges. Paper presented at the IFRA-CORUS Workshop, Nairobi, Kenya, 27-29 November, 2011.

Publications

Ayiemba, E.H.O. (2011). Problems and opportunities of displacement for policy

action: lessons from the 2007 post-election-violence and refugee camps in Kenya. In J. Oucho (ed), Migration in the Service of African Development: Essays in Honour of Professor Aderanti Adepoju. Ibadan: Safari Books Ltd.

Bosire, R.M. (2011) Institutionalizing political parties in Kenya. Published on line by Friedrich Ebert Foundation (<http://library.fes.de/pdf-files/bueros/kenia/07885.pdf> 2011)

Chitere, P. and Mutiso, R.,(eds) (2011) Working with Rural Communities: A Participatory Action Research in Kenya, 2nd Edn, Nairobi: University of Nairobi Press

Jonyo, F.(2011) Violence and elections in eastern Africa: lessons from Kenya's 2007 Elections. In Hekima, Journal of the Humanities and Social Sciences, Vol. V, No. 1, pages 65-80

Maweu, J.M. (2011) Public watch dogs or ethical lapdogs? The media, ethnicity and the land question in the 2007 general elections in Kenya in PLATFORM Journal of Media and Communication

Mbatia, T. (2011). Green spaces in Nairobi and Dar es Salaam: An analysis of Uhuru Park and Mnazi Mmoja Park. HEKIMA – Journal of the Humanities and Social Sciences 5 (1): 95-103.

Mikalitsa, S.M. (2011). Impact of farm technologies on food security: A gender perspective of smallholders in western province of Kenya. VDM Verlag Dr. Muller, Saarbrucken, Germany.

Mikalitsa, S.M. (2011). Agricultural technology, gender dynamics and household food security in western province of Kenya. HEKIMA – Journal of the Humanities and Social Sciences 5 (1): 19-33.

Muriuki, G., (2011) Biographies of Waiyaki wa Hinga, Kinyanjui wa Gathirimu, Wangu wa Makeri, Kungu Karumba, Wang'ombe Ihura, James Gichuru, Gutu was Kibetu, Cege wa Kibiru and John Keen in the Dictionary of African Biography, Oxford University Press, New York, November 2011.

Mugambi, J.N.K., (2011) Prerequisites for effective dialogue across religions and cultures in sharing values: A hermeneutics for global ethics. In: ArianeHentsch Cisneros and Shanta,

geneva, Globethics.net

Mungai, D.N.&S.O. Owuor (2011). Urbanization, water and ecosystems: The case of Nairobi. In C. Mafuta, R.K. Formo & C. Nellemann (eds.), *Green Hills, Blue Cities: An Ecosystems Approach to Water Resources Management for African Cities*. GRID-Arendal: UNEP/UN-HABITAT, pp. 23-29.

Musingi, J.K. (2011). The impact of Masinga dam on the prevalence of water-borne diseases in the area. *HEKIMA – Journal of the Humanities and Social Sciences* 5 (1): 104-111.

Mwangi Iribe (2011) The Gikuyu Reference Phrase: A Role and reference grammar perspective with C.P. Kihara. In *Baraton Interdisciplinary Research Journal*, Vol.1, No. 2, pages 46-57

Mwaura, F. (2011). The influence of geographic and morphometric factors on the distribution of water bird species in small high altitude tropical man made reservoirs, Central Rift Valley, Kenya. *Afr. J. Ecol* Doi: 10.1111/j.1365-2028.01165.x.

Ngesa, P. 2011 Review Dr. G. Gona's and Andrew Mtagwaba kailembo: The life and times of an African trade unionist. In: *Thought and Practice: A Journal of the Philosophical Association of Kenya*, Vo. 3, No.1, pages 173-178

Ocharo, R.M., (2011) The aging in rural Kenya and the process of social isolation. In: Chitere, P. and Mutiso, R., (eds) 2011 *Working with Rural Communities: A Participatory Action Research in Kenya*, 2nd Edn, Nairobi: University of Nairobi Press

Oluoko-Odingo A. & E.H.O. Ayiemba (2011). Vulnerability to food insecurity in Nyando District of Kenya. *HEKIMA – Journal of the Humanities and Social Sciences* 5 (1): 34-46.

Owuor, S.O. (2011). Livelihood strategies of low-income households in Nakuru town, Kenya. *HEKIMA – Journal of the Humanities and Social Sciences* 5 (1): 1-18.

Owuor, S.O. (2011). Cities in Africa and climate change: impact, vulnerability and adaptation. *HEKIMA – Journal of the Humanities and Social Sciences* 5 (1): 112-123.

Owuor, S.O. & T. Mbatia (2011). Nairobi. In S. Bakker & G. Therborn (eds.), *Capital Cities in Africa: Power and Powerlessness*. Cape Town: HSRC Press, pp. 120-140.

Owuor, R.M., (2011) Non-violent Civil Disobedience: An Ethical Assessment. In: *Thought and Practice: A Journal of the Philosophical Association of Kenya*, Vol. 3 No.1

Tallontire, A.M., M. Opondo, V. Nelson & A. Martin (2011). Beyond the vertical? Using value chains and governance as a framework to analyze private standards initiatives in agri-food chains. *Agriculture and Human Values* 28 (3) doi:10.1007/s10460-009-9237-2.

Wafula, J. (2011) African values and the rights of the child: A view of the dilemmas and the prospects for change. In: *Women and Children's Rights: African views*, Paris, editions Karthala

INSTITUTE OF ANTHROPOLOGY, GENDER AND AFRICAN STUDIES

Introduction

The Institute of Anthropology, Gender and African Studies (IAGAS), formerly Institute of African Studies was established in 1970 with a mandate to carry out research into socio-cultural issues. In 1986, the Institute's mandate was expanded to include training in anthropology and later, in 1999, to offer courses in gender and development.

The Institute has an established faculty of more than 20 who teach and conduct research in various fields of social science. Currently, there is an active research program within medical anthropology with DBL-Institute for Health Research and Development as its most active collaborating partner. Academic staff members also carry out research on other socio-cultural issues and in archeology.

Courses offered

In 2011, the Institute offered programmes in Anthropology; Gender and Development; Cultural Studies; Management of Heritage and Museum Collections at all levels.

Student enrolment

In 2011, the Institute had 293 students enrolled in its programmes. At the undergraduate level there were 191 students while the graduate level had 102 students. In addition, the Institute had 5 students enrolled in the doctoral programme.

Graduands

In 2011, the Institute graduated 105 students at Bachelors and Masters level as summarized below:

Bachelor of Arts in Anthropology:	59
Bachelor of Arts in Gender and Development Studies:	16
Master of Arts in Anthropology:	5
Master of Arts in Gender and Development Studies:	25

International students

The Institute continued to attract international students to its programmes. In 2011, several foreign students enrolled in various courses of the Institute. At the undergraduate level there was one student from the USA sponsored by the African Studies Consortium.

Research interests

REACT Project: The project funded by the EU aims to contribute to understanding of health care systems using Accountability for Reasonableness approach. It is a multi-country project involving different institutions, namely IAGAS; KEMRI; DBL-Institute for Health Research and Development; IDS-University of Dar es Salaam; National Institute for Medical Research, Tanzania; Primary Health Care Institute, Iringa, Tanzania; Dept. of Community Health, University of Zambia; Institute of Economic and Social Research, Zambia; Institute of Tropical Medicine – Department of Public Health, Belgium; Umeå International School of Public Health, Sweden; and Center for International Health of UoB, Norway. This project was granted a no-cost extension to enable the partners complete activities outlined in the MOU.

International Links and collaborations

The Institute maintained linkages with other institutions in the South as well as in the North including active MoUs with DBL-Institute for Health Research and Development – Denmark; Kyoto University, Japan and Bryn Mawr College, USA, University of Bergen, Norway and Steno Health Promotion of the Steno Diabetes Center, Denmark.

Publications

Ngure, K., Mugo, N., Celum, C., Baeten, J. M., Morris, M., Olungah, O., Olenja, J., Tamoo, H. and Shell-Duncan, B. (2011). A qualitative study of barriers to consistent condom use among HIV-1 serodiscordant couples in Kenya. *AIDS Care*, DOI: 10.1080/09540121.2011.613911.

Njeru, M. K., Blystad, A., Shayo, E. H., Nyamongo, I. K., and Fylkesnes K. (2011) Practicing provider-initiated HIV testing in high prevalence settings: consent concerns and missed preventive opportunities. *BMC Health Services Research* 2011, 11:87.

Nyamongo, I. K. (2011). Malaria risk and ecological change in Gusii: what can we learn from hospital data and community narratives? *International Journal of Humanities and Social Science*, Vol. 1(6): 34–42.

Khisa A. M. and Nyamongo I. K. (2011) What factors contribute to obstetric fistulae formation in rural Kenya? *African Journal of Midwifery and Women's Health*, Vol. 5(2): 95-100.

Onyango-Ouma, W. and Gerba, C. P. (2011) Away-from-home drinking water consumption practices and the microbiological quality of water consumed in rural western Kenya. *Journal of Water and Health*, Vol. 9(4): 628-636.

Papers presented

Ondicho, T. Poverty reduction: Why strategies to alleviate poverty in Kenya

have failed. Paper presented at the “Poverty as a Human Rights Violation Symposium”. Naivasha, 20th – 30th October, 2011.

INSTITUTE OF DIPLOMACY AND INTERNATIONAL STUDIES

The Institute of Diplomacy and International Studies (IDIS) is a regional training institution catering to the needs of African countries and international organizations in the areas of international relations and diplomacy. There also exists close ties between the Institute and the resident diplomatic community. Our members of staff include leading academicians in areas of research while our students are drawn from across the globe. The Institute is constantly seeking to expand its network of collaborators from government institutions, non-governmental organizations and international organizations, among others.

Courses offered

In 2011, the Institute offered the following courses: International Studies, Strategic Studies, International Relations, International Conflict Management, Diplomacy, and, International Studies at all levels.

Enrolment

In 2011, the following numbers were enrolled for various courses as indicated below:

Diploma in International Studies:	48
Diploma in International Studies (NDC):	31
Diploma in Strategic Studies (DSC):	32
Bachelor of Arts in International Studies:	120
PGD in International Relations:	4
MA International Studies:	85
MA International Studies (NDC):	17
MA Diplomacy:	50
MA in ICM:	78

International Links and Collaborations

In 2011, the Institute maintained a link with the United Nations University for Peace

Publications

Maluki, P. (2011) Regionalism in the Indian Ocean: Order, Cooperation and Community, VDM Verlag Dr. Muller, Germany.

Maluki,P and N. Muluka. (2011) Communication Strategies in Disaster Management, VDM Verlag Dr. Muller, Germany.

Maluki, P.and J. Ndiritu. (2011) The Role of Parliament in Peace Building, VDM Verlag Dr. Muller, Germany.

Maluki, P. (2011) Peace and Conflict Studies in a Global Context, a Book Review in; the Journal of Science, Technology, Education and Management vol. 3 no 1&2 pp195-197 ISSN 1991-2889.

Mwagiru,M. (2011) ‘Elections and Electoral Reform in Kenya: A Framework for Analysis’ in Mikewa Ogada (ed) Electoral Reform in Africa: Challenges and Opportunities (Nairobi: Konrad Adenaur Stiftung, 2011 – Revised Edition)(R)

Mwagiru,M. (2011) ‘Diversity and Eurocentricism: Incorporating Collaboration not Paternalism into EU Aid Policy’ (with Veit Bachmann), IP Global: Journal of the German Council on Foreign Relations, Vol.12, September/October, 2011 (R).

Mwagiru,M.(2011) ‘From Dualism to Monism: The Structure of Revolution in Kenya’s Constitutional Treaty Practice’ The Journal of Language, Technology and Entrepreneurship in Africa, Vol.3, No.1 (2011)(R)

Ikiara,G. (2011) Peace and Conflict Studies in a global context , in a book review in Journal of Science Technology Education and Management (J-STEM) Vol.3 No.1&2, PP.195-197, ISSN 1991-2889.

Graduands

In 2011, the Institute graduated the following numbers:

Diploma in Strategic Studies:	32
Diploma in International Studies:	43
PGD in International Relations:	2
PGD in Strategic Studies:	7
MA in Diplomacy:	16
MA in ICM:	47
MA in International Studies:	67

Papers presented

Mwagiru, M. Diplomacies in conflict: perceptions about the European union in Kenya Paper presented at EUROGAPS Kick-Off Workshop, Goethe University, Frankfurt-am-Main, January 10-11, 2011.

Mwagiru M. Multilateral actors in global health diplomacy: issues of agenda setting for Africa. Paper presented at the Strategic Leadership Course in Global Health Diplomacy in East, Central and Southern Africa, Karen, Nairobi, 14-18 March, 2011.

Mwagiru, M International human rights law dimension of global health diplomacy: concepts, conflicts and application . Paper presented at the Strategic Leadership Course in Global Health Diplomacy in East, Central, and Southern Africa, Karen, Nairobi, 14-18 March, 2011.

Mwagiru, M . Framing emerging disciplinary perspectives: the diplomacy of global health diplomacy. Paper presented at the Strategic Leadership Course in Global Health Diplomacy in East, Central and Southern Africa, Nairobi, 14-18 March, 2011.

Mwagiru M . Diplomacy of the diaspora: perspectives on harnessing diasporas in Kenya's foreign policy. Paper presented at the International Conference on India-Africa Enduring Partnership: Emerging Areas of Cooperation, Mumbai, India, 2-4 March, 2011

Ikiara G. State and structural transformation: old and new concepts. A paper presented at the Conference on "State & Development: Economic Governance in Easter Africa", held in Nairobi, 27-28 June 2011

Mwagiru, M. 'Diplomacy of the diaspora: perspectives on harnessing diasporas in Kenya's foreign policy'. A paper presented

at the 1st Indian Council of World Affairs Academic Conference on Africa and India: A Partnership for Development and Growth, Addis Ababa, Ethiopia, 11-12 May, 2011).

Ikiara, G. The 2011 Kenya budget: a review of economic performance and prospects. A paper presented at the ICPAK Budget Review Seminar, 16th June 2011, Laico Regency, Nairobi.

Ikiara,G. Promoting industry in the Meru region. A paper presented at the Seminar organized by Kenya Investment Authority/ Meru Professionals Association, May 2011

Ikiara,G. Key lessons for successful global health negotiations. A paper presented at the Strategic Leadership Course in Global Health Diplomacy in East, Central and Southern Africa 2011-Kenya. March 17th 2011.



German Ambassador Helwitt Margit-Boate

Introduction

The Institute for Development Studies (IDS) is a premier development research institute in the Eastern and Southern Africa region. Established in 1965, the Institute has been carrying out research on development in the region and has increasingly influenced policy thinking and policy making in the region and Africa in general.

IDS has a faculty status which enables it to offer postgraduate studies in development studies. The Institute builds capacity for the analysis of development issues through the Master of Arts in Development Studies and Ph.D programmes.

Enrolment

In 2011, the Institute enrolled 23 students for studies leading to the award of the degree of Master of Arts in Development Studies. The Ph.D programme had four (4) candidates.

Graduands

In 2011, the Institute graduated seven candidates in the MA programme.

Publications

M. Jama , Atieno, R, and J. Onjala (2011) Nairobi Report on the Status of Pastoralists: Pastoral Populations. Institute for Development Studies, University of Nairobi.

W.V. Mitullah, Waema M.T and Adera E.F (eds) (2011), 'ICTs and Financial Management in Mavoko and Nyeri Municipal Councils' in Local Governance and ICT in Africa: Case Studies and Guidelines for Implementation and Evaluation. Pambazuka Press and IDRC

P. Kamau and D. McCormick (2011) 'The impact of India-Kenya Trade Relations on the Kenya Garment Industry', in Mawdsley, Emma and Gerard McCann (Eds) India in Africa: Changing Geographies of Power, pp. 80-99 Cape Town: Pambazuka Press Ltd. ISBN 978-906387-65-5

Michuki G : (2011). Trapped in Subsistence? A

Study of Poor Rural Livelihoods in Rural Kenya with a Focus on Non-Agricultural Activities, ISBN 978-3-8433-8725-5, Lambert Academic Publishing, Germany.

McCormick, D, and H.Schmitz. (2011). "Donor Proliferation and Coordination: Experiences of Kenya and Indonesia." Journal of Asian and African Studies 46(2) 149-168

Kanyinga Karuti. (2011) Redistribution from above: The Politics of Land Rights and Squatting in Coastal Kenya. Uppsala Nordic Africa Institute.

Papers presented

W.V. Mitullah. Units and levels of government, cities and urban areas. Paper presented at the International Symposium on Devolved Government. 7 – 9th June, 2011 KICC, Nairobi.

Kamau P.K The EAC-EPAs: separating the myths from the truths. Paper presented at the International Workshop on "The EPAs between the EAC and the EU: Will the EPAs Strengthen Regional Integration Process for Sustainable Economic Development in the East African Region?" organised by African Resource and Research Forum (ARRF) and held at the Hotel Source du Nil, Bujumbura, Burundi, between 24th and 25th March 2011.

Kamau P.K .Fabric sourcing behaviour of Kenyan apparel manufacturing firms: implications for revitalizing the local textile industry". Paper presented at the International Workshop on 'Revitalization of the Textile Industry Through Research' organized by the Department of Manufacturing, Industrial and Textile Engineering of Moi University at the Kisumu Hotel, 11th -12th February 2011.

Kamau P.K . Potential for women fish traders to upgrade within the fish trade value chain: evidence from Kenya.' Paper presented at the International Workshop on Fisheries and Aquaculture in the east African region, Ra Kairo Hotel. 12th – 15th December 2011

Mwanza, Tanzania, organised by VicRes.

Kamau P.K The status of Kenya's garment industry post-MFA. A paper presented at the International Workshop on 'Post MFA Stabilization of African Clothing Industry, organised by African Clothing and Footwear Research network (ACFRN), Port Louis, Mauritius. 14th -18th July 2011.

Kamau P.K. Adjusting to Chinese ascendancy in the global clothing industry: Kenya's experience. Paper presented at the International Workshop on "Post MFA Stabilization of African Clothing Industry", organised by African Clothing and Footwear Research Network (ACFRN), Travellers Beach Hotel, Mombasa, Kenya. 29th June – 1st July 2011.

Karuti, K. Political economy of agricultural policy making in Kenya. A paper prepared and presented at preparatory regional research project on political economy of agricultural policies in Africa, organized by University of Sussex, Nairobi, January 2011.

Karuti, K. Kenya: democracy and political participation. A Discussion Paper presented in a validation workshop organized by the Open Society Initiative for East Africa.

Karuti, K. "Into the new millennium in Kenya: reconstructing civil society from below". A paper prepared with support from the Commonwealth and presented at a regional workshop on "Civil society in the New Millennium" organized by MWENGO and the National Council of NGOs in Kenya, Panafric Hotel, Nairobi, Kenya, May 5-6, 2011.

Karuti, K, with Njuguna Ng'ethe, African NGOs in democratisation and governance: challenges and prospects (Illustrated with a case study of NGOs in Kenya, A paper prepared for a conference on "African Regional Consultation for Non-Governmental Organizations". Organized by the Conference of Non-Governmental Organizations in Consultative Relationship with the United Nations (CONGO) Kampala, Uganda, February 23-27, 2011.

Karuti, K. Consolidation of democracy in a divided society: rethinking the role of civil society institutions and donor agencies in Kenya. A paper presented in a Workshop between Human Rights NGOs and Donor Agencies, Organized by Centre for Governance and Development, 11-12 April, 2011, Safari Park Hotel).

Karuti, K. Building capacity for democratic and sustainable NGO's work: discussion notes. A paper presented in a workshop on 'Coordinated Civic education for the 2011 General Election and Beyond,' organized by RECAP-ICJ; IED; 4Cs; KENFAD' and CRIC – Silver Springs Hotel, 8-10th Feb, 2011, Nairobi, Kenya.

Karuti,K. Non-Governmental organizations in Kenya: NGO-State relations in a changing society. A paper, presented at the festival seminars on Images of Africa; Copenhagen, Denmark, 12 June to 3rd July. 2011

Karuti,K. Mobilizing local resources for Sustainable Development in the ASALs: Discussion notes on the role of NGO's . A paper presented at the third conference on the future of Maasai Pastoralists in Kajiado, 23 to 26 August 2011.

Karuti, K. Development Communication Needs for NGOs and Donors: An Overview of Issues A paper presented in a symposium on Development Communication Needs, Organized by Development Horizons Trust, Fairview Hotel, Nairobi, 25th Feb. 2011.

Onjala J. Impacts of China's trading with Kenya. A paper presented in a dissemination workshop organized by UN Economic Commission for Africa, and the African Economic Research Consortium in Addis Ababa – Ethiopia. October, 2011:

Mitullah,W. Street trade in Africa: reflection on policy, research and organising. A paper presented at the Women in Informal Employment, Globalising and Organising (WIEGO) Research Reference Group Meeting on 'World Class Cities for All: Inclusive Urban Planning for the Working Poor. New Delhi, India. 13th & 14th January 2011.

Newspaper articles

Kanyinga Karuti "Kenya's Political crisis. The way out" in the Sunday Nation. Nairobi: the Nation Media Group, 13 January 2011.

Kanyinga Karuti. "Kenya's ethnic inequalities and the current political crisis", excerpts in the Daily Nation, February 2011.

Kanyinga Karuti. 'Voluntary Sector in Kenya' in the East African Standard Nairobi. The Standard, Ltd; December 2011.

Kanyinga Karuti. 'Factors shaping the 2012 general elections' in the Sunday Nation Nairobi: Nation Media Group, 23 December 2011.

Kanyinga Karuti. 'The Sanctions: Towards a Free South Africa', in Finance'. Nairobi the Finance, April, 2011.

Kanyinga Karuti. 'Multi-Parties: An Overview of Issues', in Finance Nairobi. The Finance, June, 2011.

Kanyinga Karuti. 'Parties in Africa: An Historical Perspective' in Finance. Nairobi: The Finance, June, 2011.

Kanyinga Karuti. The Principles of Constitutional Separation of Powers: The Kenyan experience in Finance. Nairobi: The Finance. December, 2011.

Kanyinga Karuti, 1989. 'Methodology in Social Science Research', in The Standard. Nairobi: The Standard Ltd, June 18th 2011.

Kanyinga Karuti. 'The Significance of Logic (in Research)', in The Standard Nairobi: The Standard Ltd, July 5th 2011.

Research networks and ongoing research activities

In 2011, the Institute had 12 networks for collaboration and research covering donor proliferation and co-ordination, decentralization and women's land rights in Kenya, paratransit operations, regulations and non-motorised transport, impact of the "Asian drivers" on the developing world, AFROBAROMETER Survey, innovation in the Kenyan clothing sector and its impact on

employment creation and poverty reduction, chronic poverty research, the impact of global financial crisis on trade, credit and employment on sub-Saharan Africa: the case of the garment industry, emerging good practices & lessons learnt from the ILO project of support, report on the status of pastoralists, policies for prosperity in Kenya, and migration, labour markets and development in North and West Africa.

The Institute received support from local and international agencies that included: Department for International Development, UK, the Institute of Development Studies Sussex, The Ford Foundation, IDRC, the Centre for Basic Research, Kampala, University of Cape Town, South Africa, Volvo Foundation., The Open University, UK, African Economic Research Consortium Research, Foundation of the Automobile and Society, Centre for Democracy and Development, Ghana, DfID, DeLPHE of the British Council, ILO, Ofam G.B, Central Bank of Kenya, Centre for Study of African Economies, Oxford university and the International Institute for Labour Studies.

International links and collaboration

In 2011, faculty were involved in the following activities:

- Establishment of United Nations Fund for Population Activities, Regional Centre for Training on Ageing in Africa in collaboration with National Coordinating Agency for Population and Development.
- Conflict and Human Security Research Project Collaboration – University of Nairobi (IDS) and (Faculty of Arts); United Nations Centre for Regional Development (UNCRD) and University of Denver (Graduate School of Social Work 2009 – 2011).
- University of Lausanne, developed project on 'The Influence of Entrepreneurial Leadership and Social Capital on Resource Assembly and Firm Performance in Small- and Medium-Sized Firms in East Africa' in collaboration with Prof. John Antonakis and Dr. Jane Khayesi. The project has

been funded for three years by the Swiss National Science Foundation. It includes one scholarship for a PhD student in IDS.

- Organised and facilitated an international conference on 'Aid, Governance, and Development' held in Nairobi between 28th -30th September 2011. This was an IDS international symposium funded by IDRC and involving more than 30 scholars from Africa, Europe and Asia.

- Afrobarometer Round 5 Survey: Research Project that measures social, political and economic atmosphere in Africa. Survey conducted between November 4 and December 3, 2011.

POPULATION STUDIES RESEARCH INSTITUTE

The Population Studies and Research Institute (PSRI) of the University of Nairobi was established in 1976 with the mandate to undertake postgraduate training, research and backstopping in the field of population, development, and reproductive health.

Courses offered

In 2011, the Institute offered the following courses: MA in Population Studies, Msc in Population Studies, PhD in Population Studies, and a certificate course in monitoring and evaluation of population and health programs.

Enrollment

In 2011, the Institute enrolled students as follows:

MA:	26
M.sc:	12
Ph.D:	8

Research activities

Dr Lawrence Ikamari and Dr Alfred Otieno in partnership with the African Population and Health Research (APHRC), analysed the data on unintended pregnancy and termination of pregnancy among women in urban poor

settlements of Nairobi.

PSRI Round 17 and 18 of data collection of vital event were undertaken in the Rusinga DSS with support from IFC Macro.

Incorporation of Verbal Autopsy in Rusinga DSS with support from ICF Macro

Dr Anne Khasakhala and Prof Jensen continued implementing the Fertility and Poverty Research Project. Both qualitative data collection and processing were carried out during the period under review

Dr Murungaru Kimani undertook research on the "Impact of Proximate Determinants of Fertility Change in Total Fertility Rate in Kenya between 2003 and 2008/09."

Dr Wanjiru, Dr Otieno, Dr Ikamari, and Mr Ben O.Jarabi continued participating in the foundation research projects under the auspices of the KEFA project supported by NIH and the University of Washington through the Centre for HIV Prevention and Research

Dr Anne Khasakhala, Dr Alfred Otieno, Mr Ben O.Jarabi and Mr George Odipo participated in the analysis of the 2009 Population and Housing Census data.

International links and collaboration

In 2011, the Institute maintained its links with the following partners: University of Washington through the KeFA Project; Partners in Population and Development; National Council for Population and Development (NCPD); Kenya National Bureau of Statistics; UNICEF, Kenya Country Office; UNFPA, Kenya Country Office; African Population and Health Research Centre (APHRC); Department of Civil Registration; and, African Medical Research Foundation

Publications

Onyango,E, A. Khasakhala, A.T Agwanda, M. Kimani and B.K Oyugi (2011): The effect of migration on under 2 mortality in Kenya .African Population Studies 25(2): 543-555.

Ochako,R, J.C.Fotso, Ikamari, L and

Khasakhala, A. (2011). Utilization of maternal health services among young women in Kenya: insights from the Kenya demographic and health survey, 2003. BMC Pregnancy and Childbirth 2011 (1)

Opiyo, C and A. Agwanda (2011) The demographic dividend: A gift or a curse. In eds Katindi S. , Njonjo, A.G. and A. Ponge : Chapter 2, Youth Research Compendium . Institute Of Economic Affairs, Nairobi Kenya

Oucho, J.O (2011) 'Transforming migration from the stepchild of demography to the core of African development aAgenda: The Legacy of Aderanti Adepoju', In John O.Oucho (ed). Migration in the service of African Development'

Obonyo J. B., Agwanda A. O. and Njoki S. M. (2011): "Kenya 2009 Population and Housing Census Analytical Report on Population Projections, Vol. VI". Kenya National Bureau of Statistics, Ministry of Planning, National Development and Vision 2030, Nairobi.

Papers presented

Khasakhala, A, A.Otieno, G. Odwe, Lyaga Z and A Imbwaga. Reassessing Mortality decline in Kenya." Paper presented at the Union of African Population Studies in Ougadougou, Burkina Faso on 27th – 30th July.

Khasakhala, A. "Ethnic fertility differentials and their proximate determinants in Kenya" Paper presented at the 76th Annual Population Conference of the Population Association of America on 31st -2nd April, 2011

Magadi, M and A. Agwanda. HIV and fertility link in Kenya. Paper presented at the 6th African Population Conference 5th -9th December 2011 Ougadougou , Burkina Faso

Agwanda, A and Goerge Odipo: Drivers of migration in East African Community: Literature

Review paper presented at the Regional meeting of the Research Consortium Migration out of Poverty. January 26-29th 2011, Nairobi

Jarabi, O.B . Population structure and vulnerable groups. A paper presented at a Workshop with Kenya's Parliamentarians on the Draft Kenya Population Policy for Sustainable Development, 6-7 July, 2011, Continental Hotel, Mombasa

Jarabi, O.B. An overview of the vital registration system in Kenya. Paper presented at the National Stakeholders' Conference on Civil Registration, 06 - 07 September, 2011, Kivi Milimani Hotel, Nairobi.

SCHOOL OF ECONOMICS

Background

The School of Economics was carved out of the former Department of Economics in 2006. The School has the largest pool of economists in East Africa, with an academic staff establishment of more than fifty. The School also operates a specialized computer laboratory and a graduate library.

Courses offered

The School offers specialized training in economics at the bachelors, masters and doctoral levels. To accommodate recent trends in the labour market for economists, the School has launched four new additional Senate-approved programmes; Bachelor of Economics and Statistics; Master of Science in Health Economics and Policy (MSc.

HEP), Master of Arts in the Economics of Multilateral Trading Systems and a taught Ph.D. Programme supported by the African Economic Research Consortium (AERC);

Enrolment

In 2011, the School enrolled 2300 undergraduate students and 297 postgraduate students.

International students

In 2011, the School had 15 foreign students.

Research Interests

The School has an outstanding research capacity. Areas of concentration include development economics, health economics, environmental and resource economics, macro economics, trade and finance, industrial and enterprise economics.

International Links and Collaboration

In 2011, the School maintained its relationship with the University of Gothenburg, Cornell University, the World Trade Organisation and the Development Institute of the World Bank, the Kenya Institute for Public Policy Research and Analysis, the Institute for Policy Analysis and Research, and African Centre for Economic Growth.

The School also maintained close interactions with the Kenya National Bureau of Statistics, the World Bank, the International Development Research Centre, the Central Bank of Kenya and Ministry of Finance and Planning among other strategic institutions.

Graduands

In 2011, the School graduated 37 undergraduates, 47 Masters and 3 PhD students.



A former student shows off her certificate of Excellence as Prof. Jacob Kaimenyi, Deputy Vice-Chancellor, Academic Affairs and Prof. Peter Mbithi, Deputy Vice-chancellor, Administration and Finance look on.

SCHOOL OF LAW

Introduction

The Faculty of Law was established in 1970 and is one of the original faculties of the University of Nairobi. The main task of the School is to run a national training programme for the legal profession, leading to the degree of Bachelor of Laws (LL.B). The School also runs Master of Laws (LL.M) and Ph.D Programmes for students wishing to specialize in specific branches of law. The School has



Law students' legal clinic in Mathare among outreach programmes and corporate social responsibility activities by students.

three Departments: commercial, private and public law.

Although law studies at the university level are by tradition, of theoretical character, pedagogical efforts have been made to encourage active participation in class and to introduce mock trials and moot court competitions locally and internationally. The School also runs a clinical programme under which students are attached to courts in order for them to appreciate the workings of the law and gain practical experience. The School of Law has three Campuses: Parklands, Nairobi, Mombasa, and Kisumu.

Student enrolment

In 2011, the School enrolled the following numbers:

Bachelor of Laws (LLB):	1683
Master of Laws (LLM):	73
Ph.D:	35

Research interests

In 2011, members of staff engaged in various research activities including: law, governance and democracy; public finance and financial services; international trade and investments and science and technology.

International links and collaborations

The School maintained its links with Widner University Summer School arrangements, and the financial & legal sector technical assistance project (FLSTAP)

Publications

Akech, M (2011) Constraining Government Power in Africa, Vol. 22, No. 1, Journal of Democracy 96.

Akech, M (2011) Abuse of Power and Corruption in Kenya: Will the new Constitution Enhance Government Accountability? Vol.18, No. 1, Indianan Journal of Global Legal Studies I.

Situma FDP (2011) The Fisheries Legislation of Kenya: A Regime for the Country's Sustainable

Fisheries Management? Vol. V (5) Orient Journal of Law and Social Sciences 8.

Graduands

In 2011, the School graduated the following numbers:

Bachelors:	320
Masters:	31
Ph.D:	1

Papers presented

Sihanya, B. "Constitutional supremacy and the rule of law: The separation of powers model in Kenya; the role of the judiciary in promoting constitutionalism, ". Paper presentation at the Kenya National Commission on Human Rights (KNHCR) Stakeholders' consultative forum on the role of the judiciary in the implementation of the constitution at KSMS, Saturday, March 19, 2011.

Sihanya, B. "Copyright challenges to librarians, researchers, and publishers, ". A presentation at the Training Workshop on Copyright Law for Librarians & Researchers, 24th -26th August 2011, Lenana House Conference Center, Lenana Road, Nairobi .

Akech, M. Evaluating the impact of corruption indicators on governance discourses in Kenya, Paper prepared for the Research Network on Indicators Panel, Law and Society Association Annual Meeting, San Francisco, California , June 2-4 2011.

SCHOOL OF BUSINESS

Introduction

The School of Business, formerly Faculty of Commerce, was established in the 1956/57 academic year in the then Royal Technical College to offer special academic and professional examinations in accountancy and secretarial practice. The School moved to its current location at Lower Kabete Campus in

the premises formerly occupied by the Kenya Institute of Administration, in 1988. The School of Business currently is operating in four distinct locations namely: the Lower Kabete Campus which serves as the headquarters of the School's operations; the Main Campus and Chiromo Campus that mainly serves the evening programmes; the Mombasa Campus established in 2004 and the Kisumu Campus established in 2008.

The School provides leadership in the pursuit of business management programmes, providing knowledge and applications through customer-driven teaching, training, research, consultancy and community services.

Courses offered

In 2011, the School offered four programmes namely: Bachelor of Commerce (B.Com), Master of Business Administration (MBA), Master of Science in Finance (MSc. Finance) and Doctor of Philosophy (PhD) in Business Administration. The School has continued to undertake curriculum review in the programmes in line with the emerging market needs.

Enrolment

In 2011, the School had the following student numbers:

Undergraduate:	6500
Postgraduate:	4500

International Student Component

In 2011, the School had 50 foreign students, 33 of whom are drawn from the Republic of Liberia who are under Liberian government scholarships.

International Links and Collaborations

In 2011, the School maintained the following links and collaborations: Kenya Revenue Authority (KRA) through the Department of Finance & Accounting; GfK-Germany on establishing a Master of Science programme in marketing research; Barclays Bank where



Chancellor Dr. Joseph Wanjui (right) with Vice-Chancellor, Prof. George Magoha (c) and Prof. Erasmus Kaijage of the Department of Finance and Accounting. The Chancellor was on an official visit to the School of Business. Right: Students at Lower Kabete Campus Library.

the bank has Endowed a Chair through the Department of Finance and Accounting. The School remains an active member of the Association of African Business Schools (AABS) which acts as a benchmarking body for business schools across the continent.

Graduands

The School graduated the following students during the 2011 graduation ceremony:

B.Com	-	919
MBA	-	973
Ph.D	-	4

Papers presented

Ogotu M. and Samuel C. Strategies adopted by multinational corporations to cope with competition in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Kariuki P.M., Awino Z.B. and Ogotu M., Effect of firm level factors, firm strategy, business environment on firm performance. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Kinoti M. and NjeruN. An investigation into market positioning strategies practiced by pharmaceutical firms marketing medicines in Nairobi. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Macharia W. and Awino Z.B. Impact of competitive strategies and dynamic resources

in a business environment to firm performance. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Machuki V.N. and K'Obonyo P. Organizational Strategic behaviour and performance of publicly quoted companies in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Muindi F. and Kiriti-Ng'ang'a T., Human capital and economic growth in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Muindi F. and Wangara C.S. A survey of leadership effectiveness trade unions: a case of the Kenya Union of Sugar Plantation and Allied Workers Union. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Oloko M. and Ogotu M. The influence of power distance on the relationship between employee empowerment and empowerment outcomes in MNCs in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Munyoki J.M. and Odudo J.A., Determination of product positioning strategies adopted by tour companies in the promotion of domestic tourism in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

M’Cormick D. and Maalu J., Innovation hubs and small and medium enterprises in Africa: setting the policy agenda. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Kibera L.W. and Kibera F.N. The determinants of learning achievement of public primary school pupils in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Kerubo O.C. and Kinoti M. A study on the factors contributing towards adoption of green marketing practices in Kenya: a survey of the mobile phone service providers in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Yalla A.J.O. and Awino Z.B. , Strategic attributes of productivity: the role of information technology in national competitiveness. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Machuki V.O. and Aosa E. The influence of the external environment on the performance of publicly quoted companies in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Kithinji A.M., Credit risk management and profitability of commercial banks in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Odipo M. and Sitati A. Evaluation of applicability of Altman’s revised model in prediction of financial distress: a case of companies quoted in NSE. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Aduda J. and Wandabwa G. The relationship between corporate governance and financial performance among broadcasting stations in

Kenya:

Lishenga L. and Ndatimana E. Performance of initial public offerings: the evidence from Nairobi Stock Exchange. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Nyamute W. and Maina J.K. M. Effect of financial literacy on personal financial management practices: a case study of employees of finance and banking institutions. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Bosire R.M., Ombati O.T., Kongre T. and Nyaoga R.B. The impact of outsourcing on lead time and customer service: a survey of supermarkets in Nairobi. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Magutu P.O. and Nyaga M. Business benefits of social networking in gaining leverage among media houses in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Kuira A.N., Mulwa L. and Mwangi M. Managing obsolescence cost: case of mobile phone handset in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Nyamwange S. and Moenga Project management leadership and success in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Chelegat B., Nyamwange S.O. and Onsongo C. The extent of implementation and critical success factors of lean six sigma in commercial banks in Kenya. A paper presented at the African International Business and Management Conference at KICC, Nairobi, August 24-25, 2011.

Onsongo, Aduda J. and Magutu P.O. Informal

sector training on economic development (perspectives from Kisii county, Kenya). A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Munyoki J. and Ngigi E.N. Challenges of e-banking adoption among the commercial banks in Kenya. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Munyoki J.M. and Wachira R.K. Factors that influence consumer preference of television stations by public primary school teachers in Langata. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Nyamwange S., Magutu P.O. and Odhiambo N., The impact of project management standards and competences on constituency development fund projects in Nairobi. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Lishenga L., An empirical analysis of risk and size factors in momentum profitability at the Nairobi Stock Exchange. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Murage J. and Nyamwange S.O. Commercial electricity supply chain management practices in Kenya. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Mbugua M. and Kinoti M, Effect of a shared services strategy on cost reduction. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Kithinji A. and Ngugi W. Credit risk management and profitability of commercial banks in Kenya. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October

13-14, 2011.

Mwangi S. and Njihia M. An evaluation of community based information communication and technology for development projects. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Mburu J.M. Akelo E. and Nyamwange O. Measuring bank operational efficiency using data envelopment analysis: a case study of Kenya Commercial Bank Ltd. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Onsongo C.O., Aduda J. and Onwonga M., The effectiveness of informal financing on the operational performance of SMEs. A paper presented at the Operations Research Society of Eastern African (ORSEA) Conference at KICC, Nairobi, October 13-14, 2011.

Publications

Aduda J. and Muimi P. (2011), Test for Investor Rationality for Companies Listed at the Nairobi Stock Exchange, Journal of Modern Accounting and Auditing, Vol. 7, No.8, 827-840, David Publishing Company ISSN:1548-6583

Aduda J. and Kimathi H. (2011), The Applicability of Constant Dividend Model for Companies Listed at the Nairobi Stock Exchange, Journal of Financial Studies and Research, Vol. 2011, Article ID 200170, IBIMA Publishing Company.

Aduda J. and Gitonga J (2011), The Relationship between Credit Risk Management and Profitability among the Commercial Banks in Kenya, Journal of Modern Accounting and Auditing, Vol. 7, No. 9 920-932, David Publishing Company, ISSN No. 1548-6583.

Aduda J. and Musyoka (2011), The Relationship between Executive Compensation and Firm Performance in the Kenyan Banking Sector, Journal of Accountancy and Taxation, Vol. 3(6), pp 130-139, Academic Journals, ISSN 2141-6664.

SCHOOL OF JOURNALISM & MASS COMMUNICATION

Introduction

The School was founded in 1970 as a project of UNESCO with support from Denmark, Norway, and Australia to cater for students from Eastern and Central Africa. The aim of the School then, was to train media and communication personnel who would have a key input in the speedy transformation of Kenya especially because information, and communication were and still are considered key pillars upon which society relies to function, and upon which people base their decisions, and interactions with others from different backgrounds and cultures.

What began as an undergraduate diploma was upgraded to a post-graduate diploma in 1980. In 2001, the School started offering a Masters degree in Communication Studies and in 2006, introduced a Bachelor of Arts degree in Journalism and Media Studies. The Bachelor of Arts programme in Broadcast Production in collaboration with the Kenya Institute of Mass Communication (KIMC) was added to an impressive list of courses offered by the School, in May 2010.

Courses offered

In 2011, the School offered the following courses: Doctor of Philosophy (PhD) in Communication and Information Studies (CIS), Master of Arts in Communication Studies, Bachelor of Arts in Journalism and Media Studies, and, Bachelor of Arts in Broadcast Production

Enrollment

In 2011, the School enrolled the following numbers:

B.A. (Journalism and Media Studies):	280
B.A. (Broadcast Production) :	80
M.A. (Communication Studies):	100
Ph.D (Communication and Information Studies):	7

International links and collaboration.

In 2011, the School initiated links with the following organizations: Kansas State University School of Leadership and School of Journalism and Communication, USA, on research and training; Centre for Children and Youth Empowerment for student attachment on leadership and service learning; School of Media, Film and Mass Communication, Denver University on the Kibera Sanitation Research Project; Centre for Peace, University of Colorado in Boulder on the development and setting up of the Peace Centre at the University of Nairobi, Graduate School of International Studies, University of Denver to develop a global virtual program on development practice.

Publications

Nyabuga, G (2011) Interrogating media developments, effects and challenges. An introductory chapter in *The Media in Kenya: Evolution, Effects and Challenges*, Nyabuga G and Kiai eds. School of Journalism and Mass Communication/Ford Foundation. Nairobi. ISBN 978-9966-1575-0-8(hb)pp1-12

Kiai, W. and M. Amatsimbi.(2011). Media development and uses in the colonial era. A chapter in *The Media in Kenya: Evolution, Effects and Challenges*, Nyabuga G and Kiai eds. School of Journalism and Mass Communication/Ford Foundation. Nairobi. ISBN 978-9966-1575-0-8(hb) pp13-38

Mbeke P.O(2011). Media liberalization: challenges and opportunities. A chapter in *The Media in Kenya: Evolution, Effects and Challenges*, Nyabuga G and Kiai eds. School of Journalism and Mass Communication/Ford Foundation. Nairobi. ISBN 978-9966-1575-0-8(hb) pp73-94

Ambia-Gichohi, W.(2011) Mobile telephony and transformation of communication and the media. A chapter in *The Media in Kenya: Evolution, Effects and Challenges*, Nyabuga G and Kiai eds. School of Journalism and Mass Communication/Ford Foundation. Nairobi. ISBN 978-9966-1575-0-8(hb) 159-168

Nyabuga ,G.(2011) Digitising the media: uses



AIESEC delegates in environmental conservation efforts.

and effects of digital technologies. A chapter in *The Media in Kenya: Evolution, Effects and Challenges*, Nyabuga G and Kiai eds. School of Journalism and Mass Communication/Ford Foundation. Nairobi. ISBN 978-9966-1575-0-8(hb) pp169-186

Nyabuga ,G.(2011)New media and transformation of the public sphere: reality or fantasy? A chapter in *The Media in Kenya: Evolution, Effects and Challenges*, Nyabuga G and Kiai eds. School of Journalism and Mass Communication/Ford Foundation. Nairobi. ISBN 978-9966-1575-0-8(hb) pp187-214

Nyabuga,G.(2001) Annotated bibliography of works on the politics of East Africa, the Oxford Bibliographies; published by the Oxford University Press, New York-June to February 2011

Ngugi,M. (2011) “Wanted: A Suave, Articulate, Highly-Educated President,” in the *Anvil*

(Special Souvenir Issue June 2011.

Ngugi M (2011) “The Media and viewpoint discrimination” in the *Anvil* (Special Souvenir Issue June 2011.

Ngugi, M.(2011) “Ode to Ochieng” in the *Anvil* (Special Souvenir Issue June 2011.

Ngugi,M.(2011) “How the Media is Regulated in the United States” *Anvil* ((Special Souvenir Issue June 2011.

Graduands

BA (Journalism and Media Studies): 111

MA Communication Studies : 92

Ph.D (Communication and Information Studies): 2

STATEMENT OF CHANGES IN EQUITY AS AT JUNE 30, 2011

	Net Funds from IGU's and Parallel Programs	Special Accounts and Grants	General Fund	Trust and Endowment Fund	Special Capital Development Fund	Endowment for General Purposes Fund	Capital Reserve	Revenue Reserve	Total
	Kshs	Kshs	Kshs	Kshs	Kshs	Kshs	Kshs	Kshs	Kshs
Balance as at 1/7/2009	2,131,462,280	407,237,097	37,316,148,947	212,253,526	-	16,181,339	251,046,181	(294,913,005)	40,039,416,365
Surplus for the Year								208,721,546	208,721,546
Capital Grants from Donors			34,410,477						34,410,477
Capital Development Receipt			89,996,011						89,996,011
Research Grant Receipts		1,449,937,719							1,449,937,719
Research Grant Expenditure		(1,065,781,754)							(1,065,781,754)
Depreciation on Research Grants Assets			(15,266,957)						(15,266,957)
Trust Fund Receipts				39,090,179					39,090,179
Trust Fund Expenses				(35,161,782)					(35,161,782)
Increase in IGU Fund	431,268,621								431,268,621
Increase in Capital Reserve							(89,106,082)		(89,106,082)
Balance as at 30/6/2010	2,562,730,901	791,393,062	37,425,288,478	216,181,924	-	16,181,339	161,940,099	(86,191,459)	41,087,524,344
Balance as at 1/7/2010	2,562,730,901	791,393,062	37,425,288,478	216,181,924	-	16,181,339	161,940,099	(86,191,459)	41,087,524,344
Special Receipt for Capital Development					439,013,939				439,013,939
Surplus for the Year								120,005,106	120,005,106
Capital Grants from Donors			46,314,888						46,314,888
Capital Development Receipt			20,000,000						20,000,000
Research Grant Receipts		1,646,644,888							1,646,644,888
Research Grant Expenditure		(1,721,594,143)							(1,721,594,143)
Depreciation on Research Grants Assets			(23,051,674)						(23,051,674)
Trust Fund Receipts				69,652,219					69,652,219
Trust Fund Expenses				(32,908,468)					(32,908,468)
Increase in IGU Fund	657,963,004								657,963,004
Increase in Capital Reserve							98,715,241		98,715,241
Balance as at 30/6/2011	3,220,693,905	716,443,807	37,468,551,692	252,925,674	439,013,939	16,181,339	260,655,340	33,813,647	42,408,279,344

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED JUNE 30, 2011

	Note	2011 Kshs	2010 Kshs
Cash Inflows from Operating activities			
General Revenue Surplus/ (Deficit) for the year		120,005,106	208,721,546
Proceeds from sale of Property and Equipment		-	(3,310,840)
Grants and other income allocated for Capital Fund	3	-	(89,106,082)
Net funds for Income Generating Units		-	431,268,621
Trust and Endowment Funds	5	-	3,928,398
Additions to Special Accounts and Grants:-			
Overspent and claimable from Donors	6	-	5,032,286
Receipts for the year	6	-	1,444,905,433
Adjustment for Depreciation	7	431,223,028	381,137,225
Adjustment for Capital Reserves		-	89,996,011
Operating surplus/(deficit) before working Capital		551,228,135	2,472,572,598
Net funds for Income Generating Units		657,963,004	-
Trust and Endowment Funds	5	36,743,750	-
Overspent and claimable from Donors	6	(2,901,338)	-
Proceeds from sale of Property and Equipment		439,013,939	3,310,840
(Increase)/Decrease in Stocks and Stores	9	(29,138,609)	(19,336,048)
(Increase)/Decrease in Debtors	10	(637,010,909)	(259,521,429)
Increase/(Decrease) in Creditors	13	186,799,455	17,687,634
Changes in Working Capital		651,469,292	(257,859,004)
Net Cash Flow from Operating Activities		1,202,697,427	2,214,713,594
Cash Outflow from Investing Activities			
Expenditure from Special Accounts and Grants	6	1,721,594,143	1,065,781,754
Purchase of Non current Assets	7	549,617,672	346,011,949
Increase/(Decrease)in Investments	8	14,149,337	(674,373)
		2,285,361,152	1,411,119,330
Cashflow from Financing Activities			
Grants and other income allocated for Capital Fund	3	98,715,241	(89,106,082)
Adjustment for Capital Reserves	3(a)	20,000,000	-
Receipts for the year from Special Accounts and Grants	6	1,649,546,226	-
		1,768,261,467	(89,106,082)
Net Increase/(Decrease) in Cash & Cash Equivalents		685,597,742	803,594,264
Analysis of Balances of Cash and Cash Equivalents			
Cash and cash equivalent at start of the year		1,943,874,896	1,140,280,632
Increase(Decrease) in cash and cash equivalents		685,597,742	803,594,264
Cash and cash equivalents at end of year	3(c)	2,629,472,638	1,943,874,896

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

1. Significant Accounting Policies

1.1 Basis of Preparation

1.1.1 Statement of Compliance

The Financial Statements are prepared in compliance with International Financial Reporting Standards (IFRS).

1.1.2 Basis of Measurement

The Financial Statements are prepared under the historical cost convention as modified by the revaluation of certain Non-Current assets.

1.1.3 Functional and presentation currency

Items included in the financial statements are measured using the currency of economical environment in which the entity operates ("the functional currency"). The financial statements are presented in Kenya shillings (Kshs) which is the functional and presentation currency.

1.2 Income Recognition

1.2.1 Income from grants and fees includes only amounts receivable in relation to the current financial year.

1.2.2 Income from Endowments and Donations, Research Grants and other services rendered is included only to the extent of the expenditure incurred during the year.

1.2.3 Income on short-term deposits is credited to the Statement of comprehensive Income.

1.3 Valuation of Property, Plant and Equipment

1.3.1 Property, Plant and Equipment are stated at cost or professional valuation. The valuation is carried out after every five years. The last valuation was done in June 2007.

1.3.2 Depreciation is provided for at annual rates estimated to write off the assets over their expected useful lives. The annual rates are:

Furniture and Equipment	10% on straight line basis
Motor Vehicles	20% on straight line basis
Academic gowns	5% on straight line basis
Buildings	2% on straight line basis
Computers and software development	20% on straight line basis

With effect from Financial Year 2004/2005, Depreciation is charged to the Capital Fund in relation to Non-Current assets acquired through external grants.

For assets acquired through internally generated revenue, depreciation is charged to the Statement of Comprehensive Income

1.3.3 Values for equipment donated are estimated by the University or as advised by donors.

1.4 Endowment and Trust Fund.

1.4.1 Endowment and Trust Fund are funds set up through special donations, the principal amount being invested and the income accruing being applied to scholarships, academic research, academic chairs and related administrative costs.

1.4.2 Endowment and Trust Fund Investments are stated at market value in accordance with performance of securities in market and advice from relevant professionals.

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

1.5 Inventory Valuation

- 1.5.1 Inventories are valued at the lower of cost and net realisable value.
- 1.5.2 The cost of Library books is written off to expenditure as incurred.

1.6 Research Grants

- 1.6.1 Research funds received from external donors for research purposes are accounted for in a separate special fund account
- 1.6.2 The Deans Committee Research Grants are funds set aside from University revenue. The uncommitted balance on each research is carried forward until the related research project is completed.

1.7 Employee Retirement Benefits

- 1.7.1 The University currently operates a defined contribution scheme for its employees. The University obligation to the scheme is the contribution of 20% of basic Salary whereas the employees contribute 10% of their basic Salary.
The University also contributes to NSSF currently at the rate of Ksh. 200 per employee per month.
The University contribution to the above schemes are charged to the Statement of Comprehensive Income in the year to which they relate. The University has no further obligation once the contributions have been remitted to the pension fund.

1.8 Foreign Currency Conversion

- 1.8.1 Assets and Liabilities in foreign currencies are converted into Kenya shillings at the rates of exchange ruling at the balance sheet date. Conversion differences are accounted for in the appropriate fund accounts.

1.9 Bad Debt Provision

- 1.9.1 Provision for bad debt has been made at 5%

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

2. (a) Other Capital Fund Assets

Funds spent by the University and reimbursable by the Ministry of Education as provided for in the previous Estimates (Kshs 77,047,784) and outstanding amount from Ministry of Roads (Kshs 172,056,481).

	Note	2011 Kshs	2010 Kshs
Capital Fund Debtors	10	249,104,265	77,047,784
		249,104,265	77,047,784
		=====	=====

2. (b) Endowment for General Purposes

	16,181,339	16,181,339
	=====	=====

Designated Funds set aside for applications as determined by the University e.g. Students' prizes, Students' Scholarships

2. (c) Special Capital Development Fund

	439,013,939	-
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Funds Designated for a Special Capital Development in the University

3. (a) General Fund

Balance as at 1st July 2010	37,425,288,478	37,316,148,947
	=====	=====
Capital Receipts:		
(i) Grants	46,314,888	34,410,477
(ii) GOK & Other Sources	20,000,000	89,996,011
Total Fund	37,491,603,366	37,440,555,435
	=====	=====
Less:		
Depreciation	23,051,674	15,266,957
	23,051,674	15,266,957
	=====	=====
Balance as at 30th June 2011	37,468,551,692	37,425,288,478
	=====	=====

3. (b) Capital Reserves

Funds sets aside to cater for Capital Work in Progress	260,655,340	161,940,099
	=====	=====

3. (c) Cash and Cash Equivalent

i) Short Term Deposits	11	1,077,365,446	863,126,010
ii) Cash and Cash Equivalence	12	1,552,107,192	1,080,748,886
		2,629,472,638	1,943,874,896
		=====	=====

3. (d) Related parties

University of Nairobi Enterprises (UNES) is a related company by virtue of it being wholly owned by University of Nairobi. During the year the University received income of Kshs. 3,220,693,906 (2010: KShs. 2,562,730,901)

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

4. INCOME GENERATING UNITS (IGUs) AND PARALLEL PROGRAMMES

Income and Expenditure Account for the Year Ended: June 30, 2011

Income Generating Activities - College Based

	Surplus/(Deficit) 2010 Kshs	Income 2011 Kshs	Expenditure 2011 Kshs	Surplus/(Deficit) 2011 Kshs
College of Agriculture and Veterinary Sciences	8,998,732	39,234,401	35,048,382	4,186,019
College of Architecture and Engineering	14,362,433	56,371,121	24,972,011	31,399,110
College of Biological and Physical Sciences	(19,019,900)	98,966,941	89,667,139	9,299,802
College of Education and External Studies	83,162,433	359,781,521	278,447,495	81,334,026
College of Health Sciences	46,864,414	170,368,955	109,928,814	60,440,141
College of Humanities and Social Sciences	(15,444,860)	-	-	-
Health Services - Students Medical & Others	(676,278)	-	-	-
Sub- Total	118,246,973	724,722,938	538,063,841	186,659,098
Other Income Generating Units				
Chiromo Funeral Parlour	4,703,426	21,664,750	17,935,121	3,729,629
UNES Consultancy	5,686,543	85,058,318	78,752,196	6,306,122
Chiromo Conference Center & Arziki Restaurants	900,634	45,490,726	39,788,360	5,702,366
Kisumu Bed & Breakfast	(1,071,183)	-	-	-
Diagnostic Radiology	6,994,812	22,450,860	14,213,013	8,237,847
UNES Bookstore-Nairobi	1,576,582	107,221,026	105,495,217	1,725,810
UNES Bookstore-Kisumu	(1,655,028)	-	-	-
Other Projects	22,176,273	60,925,835	32,486,560	28,439,275
Sub- Total	39,312,059	342,811,515	288,670,466	54,141,050
Parallel Programmes				
School of Business	682,897,036	1,467,843,031	543,032,573	924,810,457
School of Law	110,636,431	245,862,227	93,397,461	152,464,766
School of Economics	44,445,705	110,405,569	38,555,138	71,850,431
School of Medicine	330,612,562	564,014,460	196,039,600	367,974,860
Faculty of Pharmacy	36,657,720	65,199,725	30,953,104	34,246,621
Faculty of Dental Sciences	12,279,679	29,387,199	7,527,533	21,859,666
School of Nursing	26,928,468	51,087,015	15,693,456	35,393,559
Department of Immunology	2,734,254	27,392,461	20,230,629	7,161,832
Institute of Tropical & Infectious Diseases	3,474,761	9,073,075	6,062,533	3,010,543
Faculty of Arts	301,727,409	566,850,477	222,436,505	344,413,971
School of Education	143,684,284	239,306,118	91,084,691	148,221,427
School of Continuing & Distance Education	284,544,060	663,463,238	321,313,680	342,149,558
School of Engineering	87,126,818	183,924,186	62,677,992	121,246,194
School of Computing and Informatics	43,752,929	77,619,804	26,306,148	51,313,656
School of Mathematics	48,414,904	83,812,733	21,076,382	62,736,352
School of physical Sciences	27,520,224	55,408,907	27,863,786	27,545,120
School of Biological Sciences	11,715,278	25,426,779	9,151,121	16,275,658
School of Built Environment	44,972,871	108,242,941	67,494,245	40,748,697
School of the Arts & Design	7,580,084	16,898,125	13,394,504	3,503,621
Faculty of Vet. Medicine	19,272,675	34,616,122	9,477,608	25,138,514
Faculty of Agriculture	25,447,593	48,894,436	18,149,546	30,744,890
Institute of Diplomacy & International Studies	27,941,139	68,212,972	19,350,492	48,862,480
School of Journalism	80,804,985	165,054,972	66,834,086	98,220,886
Sub- Total	2,405,171,869	4,907,996,569	1,928,102,811	2,979,893,758

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

5. TRUST AND ENDOWMENT FUNDS

	Balance As at June 30, 2010	Receipts during the year	Increase/(Decrease) in market Value of investment	Expenditure	Balance As at June 30, 2011
	KShs	KShs	KShs	KShs	KShs
Trust funds					
Joint Admission Board	43,029,763	54,262,185	-	26,265,705	71,026,243
Gandhi Academic Society	20,976,827	170,573	-	87,232	21,060,168
Kenya Railways	662,903	-	-	-	662,903
A.C.I. De Souza Memorial	36,441	-	-	-	36,441
R.G. Amin Bursary	393,240	-	-	-	393,240
Kamala Gold Memorial	230,282	-	-	-	230,282
Tom Mboya Memorial	10,897,406	520,246	-	-	11,417,653
M.M. Bhatt Trust	103,866	-	-	-	103,866
UoN Alumni	22,469,913	13,378,170	-	6,131,796	29,716,286
Eng.Carry Oregge - Civil Engineering Prizes	0	600,000	-	-	600,000
TOTAL TRUST FUNDS	98,800,641	68,931,173	-	32,484,733	135,247,081
Endowment Funds:					
Sasakawa Fellowship	104,771,566	721,045	-	423,735	105,068,877
Others	9,016,636	-	-	-	9,016,636
Non attributable Funds	3,493,080	-	-	-	3,493,080
TOTAL ENDOWMENT FUNDS	117,281,282	721,045	-	423,735	117,578,593
University of Nairobi Enterprises and Services Limited (UNES)	100,000	-	-	-	100,000
TOTAL FUNDS	216,181,924	69,652,219	-	32,908,468	252,925,674

6. SPECIAL ACCOUNTS AND GRANTS

	Balance as at June 30, 2010	Received During Year	Expenditure During Year	Balance as at June 30, 2011
	Kshs	Kshs	Kshs	Kshs
Ford Foundation	1,969,452	-	792,325	1,177,127
Rockefeller Foundation	4,651,046	35,874,469	9,221,482	31,304,033
International Development Research Center	37,507,579	76,246,939	60,697,912	53,056,606
National Council for Science and Technology	8,487,604	26,028,979	10,085,323	24,431,260
DAAD	4,049,102	-	711,450	3,337,652
World Health Organisation	7,837,950	2,567,440	3,645,158	6,760,232
VLIR	1,181,281	3,501,064	6,813,293	(2,130,948)
International Aids Vaccine	43,754,046	153,333,706	170,143,963	26,943,788
World Trade Organization	1,688,941	3,859,221	(2,970,643)	8,518,805
CIAT	9,864,563	-	7,840,285	2,024,278
Centre for Disease Control (CDC)	48,655,326	434,170,451	434,905,188	47,920,589
Commission for Higher Education	1,866,436	36,200	1,190,459	712,177
African Economic Research Consortium (AERC)	(5,032,286)	24,072,383	18,922,637	117,460
Other Grants	619,879,735	889,855,375	999,595,310	510,139,800
Balance Net of Overspent Amounts	786,360,777	1,649,546,226	1,721,594,143	714,312,860
Amount overspent and claimable from donors	5,032,286			2,130,948
TOTAL	791,393,062			716,443,807

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

7. PROPERTY, PLANT AND EQUIPMENT

	Land	Buildings	Work in Progress	Furniture and Equipment	Computers	Motor Vehicles	Academic Gowns	Totals
	Kshs	Kshs	Kshs	Kshs	Kshs	Kshs	Kshs	Kshs
Cost Valuation								
1st July 2010	24,388,821,000	11,189,346,437	1,804,441,500	1,403,989,159	409,699,897	440,847,098	28,348,000	39,665,493,092
Additions	-	-	260,655,340	129,267,653	160,882,996	43,079,524	7,826,250	601,711,763
Revaluation (excess over cost)	410,183,062							410,183,062
Less: Completed Projects								-
Compulsory Acquisition	(611,070,420)							(611,070,420)
30th June 2011	24,187,933,642	11,189,346,437	2,065,096,841	1,533,256,812	570,582,893	483,926,622	36,174,250	40,066,317,497
Depreciation								
1st July 2010	-	1,376,602,375	-	960,736,302	236,786,924	360,164,567	11,908,609	2,946,198,778
Acc. Dep. on Disposal	-							-
Charge for the year		223,786,929		63,752,472	96,155,193	45,719,722	1,808,713	431,223,028
30th June 2011	-	1,600,389,304	-	1,024,488,774	332,942,118	405,884,289	13,717,322	3,377,421,806
Net Book Value								
30th June 2011	24,187,933,642	9,588,957,133	2,065,096,841	508,768,039	237,640,775	78,042,333	22,456,929	36,688,895,691
30th June 2010	24,388,821,000	9,812,744,062	1,804,441,500	443,252,857	172,912,973	80,682,531	16,439,391	36,719,294,314

Note: During the year part of the University land was compulsorily acquired by the Government through Ministry of Roads vide Kenya Gazette No. 6034 and 6035

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

8. TRUST AND ENDOWMENT FUNDS INVESTMENTS

TRUST FUND - SPECIAL ACCOUNTS	2011 KShs	2010 KShs
Gandhi Memorial Academy Society		
East Africa Breweries Limited 33,380 Ordinary shares of Shs.2/- each	6,475,720	6,041,780
Car and General (Kenya) Limited 15,222 Ordinary shares of Shs.5/- each	426,216	738,267
C.M.C. Holdings Limited 125,920 Ordinary shares of Shs.0.5/- each	1,309,568	1,599,184
Unga Limited 28,782 Ordinary shares of Shs.5/- each	280,625	352,580
Kenya Power and Lighting Co. Limited 8944 Ordinary shares of Shs.2.50 - each	183,352	223,600
	<u>8,675,481</u>	<u>8,955,411</u>
Kamala Gold Memorial Fund		
Kenya Power & Lighting Co. Limited 7904 Ordinary shares of Shs.2.50 - each	162,032	197,600
Tom Mboya Memorial Fund		
East Africa Breweries Limited 42,635 Ordinary shares of Shs.2/- each	8,271,190	7,716,935
Total of Trust Fund Investments	<u>17,108,703</u>	<u>16,869,946</u>
INVESTMENT NOT ATTRIBUTABLE TO ANY PARTICULAR FUND		
Investment in University of Nairobi Enterprises and Services Limited (UNES)	100,000	100,000
Endowment Fund		
Stg.£654,000 Sasakawa Fellowship Fund	94,568,400	80,657,820
Total of Endowment Fund Investments	<u>94,668,400</u>	<u>80,757,820</u>
Total Trust and Endowment Fund Investments	<u>111,777,103</u>	<u>97,627,766</u>

Note

Long term Investments in securities are stated at fair value as provided by University stock brokers. The resultant Gain/loss are recognised in the appropriate fund accounts

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

	2011 KShs	2010 KShs
9. Inventories		
General Stocks	123,449,635	109,504,270
Dental Materials	35,044,227	25,349,044
Pharmacy, Cafeterias	3,596,295	3,618,536
UNES Bookstore	65,920,751	58,820,983
SWA stocks	12,629,485	14,208,950
	240,640,393	211,501,784
10. Trade, Receivables and Debit Balances		
Sundry Debtors	537,126,053	524,286,920
Deans Committee Research Grants	23,464,334	21,642,893
Program and Projects Balance	3,090,529,326	2,490,439,305
IGU Program Balances	71,355,174	47,262,920
Specific Purposes Revenue Grants	2,130,948	5,032,286
Capital fund	249,104,265	77,047,784
Students Welfare Authority (SWA)	12,847,019	11,135,664
	3,986,557,119	3,176,847,772
Less: Provision for bad & doubtful debts	(26,856,303)	(26,214,346)
	3,959,700,816	3,150,633,426
11. Short Term Deposits		
Recurrent Grants	22,500,666	116,083,845
Nairobi University Press	2,502,775	2,451,325
CHSS	4,511,689	4,449,389
CHS	4,916,061	4,980,150
Specific purposes revenue grants	1,019,275,289	711,502,335
Trust and Endowment funds	250,676	250,676
IGU Accounts	21,000,000	21,000,000
Students Welfare Authority	2,408,289	2,408,289
	1,077,365,446	863,126,010
12. Cash and Cash Equivalents		
Central Cash Balances	880,629,874	580,880,343
Cash in hand	856,930	644,782
Nairobi University Press	5,883,177	-
SWA Balances	21,663,578	24,196,545
Colleges	335,531,499	255,203,117
IGU Accounts	307,542,134	219,824,099
	1,552,107,192	1,080,748,886
13. (a) Creditors and Other Payables		
Sundry Creditors	757,010,066	671,769,048
Deans Committee Research Grants	13,612,125	13,844,685
Statutory Deductions - Payroll	154,598,321	120,853,633
Provision for Staff Gratuities	64,196,807	66,037,010
IGU Program Balances	69,903,092	52,782,055
Investment and banking services (UNES)	11,064,683	12,182,264
SWA Balances	31,418,365	26,725,198
	1,101,803,459	964,193,893
13. (b) Bank Overdraft		
SWA Overdraft	10,892,439	19,311,997
UNES Overdraft	84,217,126	-
BBK-QUEENSWAY BRANCH	-	48,067,659
KCB UNIVERSITY WAY	25,294,271	-
KCB. UNIVERSITY WAY	-	1,155,506
BBK-QUEENSWAY - CENTRAL STORES A/C.	-	2,625,244
BBK-QUEENSWAY BRANCH - PRESS	-	53,541
	120,403,837	71,213,947
	1,222,207,296	1,035,407,841

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

14. INCOME

	2011 KShs	2010 KShs
(i) Capitation Grant		
July 2010	339,165,047	298,791,882
August 2010	339,165,047	298,791,882
September 2010	339,165,047	298,791,882
October 2010	339,165,047	298,791,882
November 2010	339,165,047	298,791,882
December 2010	339,165,047	298,791,882
January 2011	339,165,047	298,791,882
February 2011	339,165,047	298,791,882
March 2011	339,165,047	298,791,882
April 2011	339,165,047	298,791,882
May 2011	339,165,047	298,791,882
Jun 2011	339,165,047	298,791,882
	<u>4,069,980,570</u>	<u>3,585,502,585</u>
(ii) Special Grant		
During the year the University also received special capitation grant of Ksh 496,501,989 to facilitate payment of salary arrears as per the CBA 2008/2010 and Kshs 20 Million towards a medical bill settlement for a staff hospitalized in South Africa	516,501,989	482,914,170
(iii) Tuition and other fees		
Tuition fees and other charges collected from regular students	451,303,234	463,536,180
(iv) Accreditation Fees		
Amount received from accredited Institutions	926,000	920,400
(v) Other Services Rendered		
Other Fee	69,323,262	57,110,382
Service Units	Note 18 <u>9,691,585</u>	<u>7,678,578</u>
	<u>79,014,847</u>	<u>64,788,960</u>
(vi) Accomodation, Catering and other income		
House Rent	86,123,557	85,115,759
Income from telephone, telex and fax	41,011	59,743
Library services	8,487	7,029
Sale of Tender Documents	2,740,221	1,944,500
Income from endowment fund	24,656,760	41,816,967
Agency fees (Insurance & Hire purchase)	3,110,977	2,488,710
Staff Education Support Fund	239,500	282,500
Certificate Storage	3,454,300	3,703,378
Reimbursement (Emoluments)	33,906,940	33,213,443
Miscellaneous	8,067,942	21,867,457
Accomodation and Catering	<u>220,870,507</u>	<u>231,811,437</u>
	<u>383,220,203</u>	<u>422,310,922</u>
(vii) Transfer from IGUs for specific purposes		
Income from Grants Overheads Charges		
Transfer of funds from Projects	<u>52,799,888</u>	<u>46,373,569</u>
	<u>52,799,888</u>	<u>46,373,569</u>
Other IGUs		
Management & Support Services	121,600,000	86,650,000
Payroll Supplementation	1,201,300,000	1,035,044,000
Rates and Ground Rents	10,000,000	500,000
Funds to Pay Creditors	42,000,000	31,000,000
Library	58,000,000	10,000,000
Physical Space and Development	255,000,000	55,000,000
Pension - Current	80,000,000	70,000,000
Debt Reduction - General	200,000,000	100,000,000
Debt Reduction - Pension	50,000,000	110,000,000
Grants to pay KRA - Current	621,542,000	650,000,000
KPLC	260,000,000	25,000,000
UNES Dividends Received	0	34,130,910
ICT Revolving Fund	49,570,400	57,451,200
	<u>2,949,012,400</u>	<u>2,264,776,110</u>
	<u>3,001,812,288</u>	<u>2,311,149,679</u>

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

15. EXPENDITURE	2011 KShs	2010 KShs
(i) Academic Departments		
Personal Emoluments	3,158,051,711	2,619,862,497
Clinical Allowance	235,796,603	223,202,880
House allowance	1,363,488,702	1,267,943,311
Teaching Practice C.E.E.S. Kikuyu	24,829,451	39,180,723
Teaching and Office Expenses	132,643,889	99,541,420
Travelling and Transport	47,277,986	44,364,001
Expenditure from service units	5,926,182	8,432,318
	<u>4,968,014,524</u>	<u>4,302,527,150</u>
(ii) Central Administration and Central Services		
Personal Emoluments	677,614,153	460,135,813
Management and support services	121,575,831	120,346,437
House Allowance	292,559,884	222,693,415
Travelling and Transport	16,749,084	15,508,166
Publishing and Printing	9,035,271	1,714,718
Purchase of Uniforms	6,497,981	2,633,517
Purchase of Stationery	37,836,492	31,976,195
Postal and Telegram Expenses	1,067,225	830,594
Telephones	22,458,352	23,309,553
Computer Charges	46,440,895	52,185,114
Insurances	33,789,491	29,515,597
Council Meetings and Ceremonial Expenses	9,906,604	4,568,821
Conference and Seminars	23,820,434	18,828,933
Membership Subscriptions	3,885,667	2,970,969
Bank Charges	9,707,927	17,156,453
Audit Fees	3,500,000	3,500,000
Fees, Commission & Honoraria	289,802	2,793,390
Official Entertainment	664,400	90,000
Transport Operating Expenses	40,346,219	25,333,804
Graduation Expenses	12,308,393	7,659,276
University Choir Expenses	2,558,081	2,308,571
Funeral Expenses	2,431,450	1,893,343
Legal Fees	9,052,343	3,451,171
Contracted Security Services	64,180,366	60,277,784
Perf. Contracting, Change mgt., Result based mgt. & Integrity Programs activities	16,989,000	14,820,026
ISO Expenses	7,643,012	4,849,409
Depreciation	408,171,354	365,870,268
Alumni	551,803	365,152
Provision for Bad Debts	26,856,303	26,214,346
Other Expenses	<u>10,536,969</u>	<u>4,358,271</u>
	<u>1,919,024,783</u>	<u>1,528,159,107</u>

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

	2011 KShs	2010 KShs
(iii) Academic Services		
Library: Personal Emoluments	117,352,101	103,499,304
Books and Periodicals	91,638,552	55,209,776
Sundry Charges	4,618,293	22,766,366
Computer Services:		
Personal Emoluments	49,104,904	45,198,281
Consumables	892,088	880,337
	<u>263,605,938</u>	<u>227,554,064</u>
(iv) General Educational expenditure		
Examinations stationery	28,010,470	15,826,437
External Examiners	20,770,174	14,885,372
Postgraduate Programmes	32,691,396	26,676,093
Research and Publications	18,688,628	8,805,608
Staff Development	1,292,022	2,288,222
House to Office Transport Allowance	175,578,448	176,930,019
Passages and Leave Travelling Expenses	19,863,015	18,268,012
	<u>296,894,153</u>	<u>263,679,763</u>
(v) Maintenance of Premises		
Rent and Rates	10,111,633	4,659,446
Electricity, Water and Conservancy	351,054,433	365,617,180
Maintenance of Buildings	68,282,334	48,884,193
	<u>429,448,400</u>	<u>419,160,819</u>
(vi) Staff / Students facilities and welfare		
University Medical Scheme	215,890,813	150,124,629
Recruitment Expenses	27,266,114	12,790,228
Travelling outside Kenya	7,175,922	7,547,788
Sports and Games (Inter-University)	3,023,558	646,323
Needy Students	3,884,766	3,592,992
Students Associations	22,739,783	23,790,506
	<u>279,980,956</u>	<u>198,492,466</u>
(vii) S.W.A (Catering & Accommodation Services)		
Purchase of Foodstuff	87,621,459	87,660,590
Gas and Fuel	17,392,251	14,057,510
Maintenance of plants, Machinery & Equipment	835,927	1,642,101
Maintenance of Buildings & Stations	13,396,459	27,657,821
Halls and Wards Expenses	0	0
Other Expenses	87,905,419	42,928,918
	<u>207,151,515</u>	<u>173,946,939</u>
(viii) Miscellaneous Expenditure		
Maintenance of Equipment	16,874,001	6,397,288
Nairobi A.S.K. Show	1,759,753	2,483,756
	<u>18,633,754</u>	<u>8,881,044</u>

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

16. Contingent Liabilities

- (i) There is a pending law suit against the University filed in the High Court of Kenya by former employees who were retrenched by the University in March 2001. The claim is for damages amounting to about Kshs 279 million. The University has entered its defence.
- (ii) The University had accumulated pending bills due to contractors and consultants amounting to KShs 532,436,805.00 as at 30-6-2006. One contractor N. K. Brothers has sued the University to recover the outstanding amount.

17. Legal Status

The University is a body corporate established in Kenya under the University of Nairobi Act (Cap 210). The University of Nairobi Act No. 11 which is University of Nairobi Successor to the 1970 Act became effective on 6th September, 1985.

18. Supplementary Accounts

(i) Summary of service units income and expenditure for the year ended June 30, 2011

	Income KShs	Expenditure KShs	Surplus/ (Deficit 2010/2011 KShs
Printing and Photocopying	5,295,204	2,800,279	2,494,925
Nairobi University Press	<u>4,396,381</u>	<u>3,125,903</u>	<u>1,270,478</u>
Surplus/(Deficit) for the year	<u>9,691,585</u>	<u>5,926,182</u>	<u>3,765,403</u>

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

19. Summary of Approved Estimates

	Approved Estimates 2010/2011 KShs	Actual 2010/2011 KShs	Actual 2009/2010 KShs
Personal Emoluments	3,230,989,000	3,163,423,472	2,558,179,546
UNES Management & Support Allowances	1,030,850,000	121,575,831	120,346,437
Gratuity and Pension contribution	523,507,000	645,683,121	453,603,225
House Allowance	1,598,788,000	1,706,244,365	1,539,131,974
Other Personal Allowances	124,406,000	142,820,496	168,417,877
House to Office Transport allowance	168,925,000	175,578,448	176,930,019
Passage and Leave Expenses	28,998,000	19,863,015	18,268,012
Clinical Allowance	249,850,000	235,796,603	223,202,880
Transport Operating Expenses	26,927,000	40,346,219	25,333,804
Travelling and Accomodation Expenses	108,200,000	64,227,024	60,036,950
External Travelling and Accomodation	8,656,000	7,175,922	7,547,788
Teaching Practice	24,728,000	24,829,451	39,180,723
Postal and Telegram Expenses	1,171,000	1,067,225	830,594
Telephone Expenses	26,591,000	22,458,352	23,309,553
Official Entertainment	702,000	664,400	90,000
Electricity, Water and Conservancy	310,311,000	351,054,433	365,617,180
Purchase of Supplies for Teaching & Production Materials	162,965,000	133,474,096	100,361,851
Publishing and Printing Expenses	4,215,000	9,035,271	1,714,718
Purchase of Uniforms and Clothing	4,917,000	6,497,981	2,633,517
Library Expenses	108,200,000	96,256,845	77,976,143
Purchase of Stationery	44,598,000	66,260,632	48,062,906
Advertising and Publicity (Recruitment)	27,160,000	27,260,114	12,790,228
Sports and Equipment (Inter-University)	1,840,000	3,023,558	646,323
Audit Fees	5,000,000	3,500,000	3,500,000
Payments of Rent and Rates Residential	11,707,000	10,111,633	4,659,446
Computer Charges	70,000,000	46,440,895	52,185,114
Hire of Transport Plant and Machinery	304,000	-	-
Miscellaneous Other Charges	265,268,000	158,672,281	144,150,696
Fees, Commission and Honoraria	2,341,000	289,802	2,793,390
Staff Development	18,288,000	1,292,022	2,288,222
Senate, Committee Members Resp. & Council Expenses	17,216,000	9,906,604	4,568,821
Graduation Expenses	9,738,000	12,308,393	7,659,276
Conference and Seminars	23,414,000	23,820,434	18,828,933
University Medical Scheme	199,355,000	215,890,813	150,124,629
Postgraduate Programmes	32,780,000	32,691,396	26,676,093
University Research Programme	100,000,000	18,688,628	8,805,608
Compensation and Ex-Gratia payments	117,000	-	-
Maintenance of Plant, Machinery and Equipment	21,400,000	16,874,001	6,397,288
Maintenance of Buildings and Stations	65,524,000	68,282,334	48,884,193
Students Welfare Authority	173,120,000	207,151,515	173,946,939
Staff Education Support Fund			
Other Service Units	8,898,000	5,926,182	8,432,318
Perf. contracting, Change mgt. & Result based mgt. activities training/Integrity Programs	28,951,000	24,632,012	14,820,026
Depreciation	0	408,171,354	365,870,268
Students amenities/Activities, Associations	26,927,000	22,739,783	23,790,506
Needy Students	10,820,000	3,884,766	3,592,992
Provision for Bad Debts	0	26,856,303	26,214,346
	8,908,662,000	8,382,754,023	7,122,401,351
Capital Expenditure			
Purchase of Motor Vehicles	20,000,000	9,232,031	45,056,007
Purchase of Plant and Equipment	162,965,000	103,345,308	97,612,661
Capital Development-WIP	320,000,000	269,117,153	161,940,099
Purchase of Computers	160,000,000	150,110,788	124,268,312
	662,965,000	531,805,280	428,877,079

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

20. Summary of Actual Expenditure for the year ended June 30, 2011 Students Welfare Authority(SWA)

	Actual 2011 KShs	Actual 2010 KShs
Transport Operating Expenses	1,830,378	1,917,501
Travelling and Accommodation expenses	3,192,840	1,739,414
Telephones	1,877,735	1,742,755
Postal and Telegram	-	12,600
Official Entertainment	121,195	142,727
Publishing and Printing Expenses	719,200	909,691
Purchase of Uniforms and Clothing	8,469,135	6,619,744
Purchase of Stationery & Office expenses	9,316,467	12,253,068
Miscellaneous Other Charges	5,953,372	2,697,089
Bank Charges	1,625,744	1,697,818
Staff Development	980,930	1,029,987
Conferences and Seminars	1,861,864	1,681,355
University Medical Scheme	4,486,279	3,630,866
Fees, Commission and Honoraria	-	29,000
Maintenance of plant, Machinery and Equipment	842,322	1,642,101
Maintenance of Buildings and Station	52,696,618	27,657,821
Halls Expenses	2,780,362	-
Gas and Fuel	17,392,251	14,057,510
Cleaning Materials	5,383,366	6,825,304
Purchase of Food	87,621,459	87,660,590
	207,151,515	173,946,939

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2011

21. Other information (5 year Trend)

I) General Revenue Statistics

The following table show changes in the percentage distribution of income and expenditure over the last five years.

	2010/2011	2009/2010	2008/2009	2007/2008	2006/2007
Income					
Government Grants	54	55	1	57	58
Tuition and other fees	5	6	-	8	8
Other services rendered	-	-	-	-	-
Other income	41	38	-	35	35
Total Income (%)	100	100	1	100	100

Total Income	8,502,759,130	7,331,122,897	6,534,773,361	5,896,056,404	5,773,859,138
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Expenditure

Academic Departments	59	60	1	62	63
Administration and Central Services	23	21	-	23	22
Academic Services	3	3	-	3	3
General Educational Services	4	4	-	3	3
Maintenance of Premises	5	6	-	4	4
Miscellaneous expenditure	-	-	-	-	-
Staff and students facilities and Welfare	3	3	-	3	3
Students Welfare Authority	2	2	-	2	2
Total Expenditure (%)	100	100	1	100	100

Total Expenditure	8,382,754,023	7,122,401,351	6,241,443,265	5,771,381,506	5,482,352,400
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ii) Capital Development Statistics

Receipts

Government Grants					
- Constructions	46,314,888	34,410,477	19,715,292	42,185,193	29,290,634
- Fixed Assets	20,000,000	89,996,011	199,999,537	78,300,000	27,000,000
External Grants					
- Constructions				-	-
- Fixed Assets	1,649,546,226	1,444,905,433	868,343,317	627,190,710	594,274,975
	1,715,861,114	1,569,311,921	1,088,058,146	747,675,904	650,565,609

Expenditure

Construction	260,655,340	161,940,099	251,046,181	202,495,311	86,196,357
Purchase of fixed assets	341,056,423	308,519,751	161,676,214	3,535,997,778	289,411,902
	601,711,763	470,459,850	412,722,395	3,740,493,089	375,608,259

iii) Research Grants, Endowment & Donations Statistics

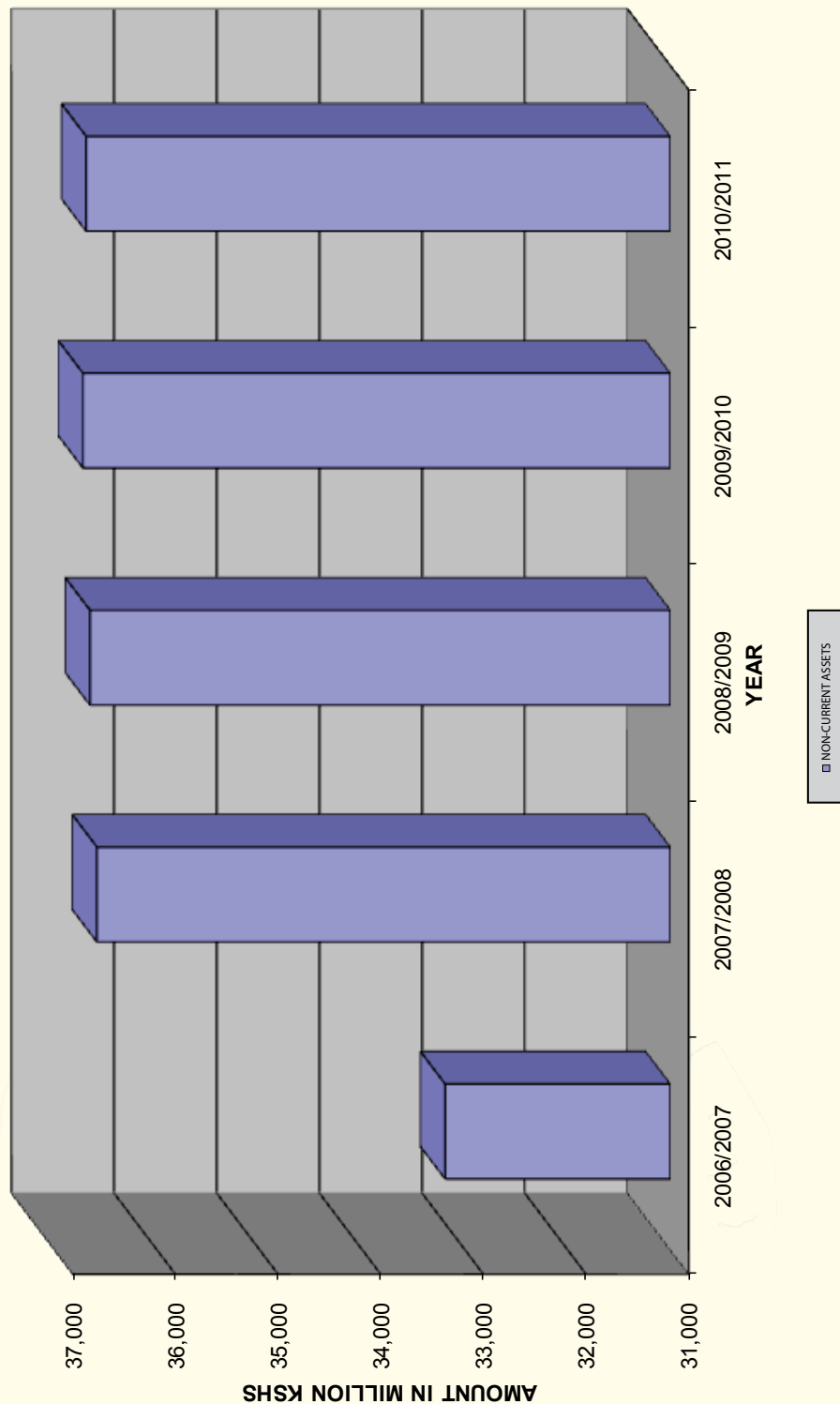
Receipts

Research grants	1,649,546,226	1,444,905,433	868,343,317	627,190,710	594,274,975
Endowment and donations	69,652,219	39,090,179	35,497,915	50,027,867	6,662,607

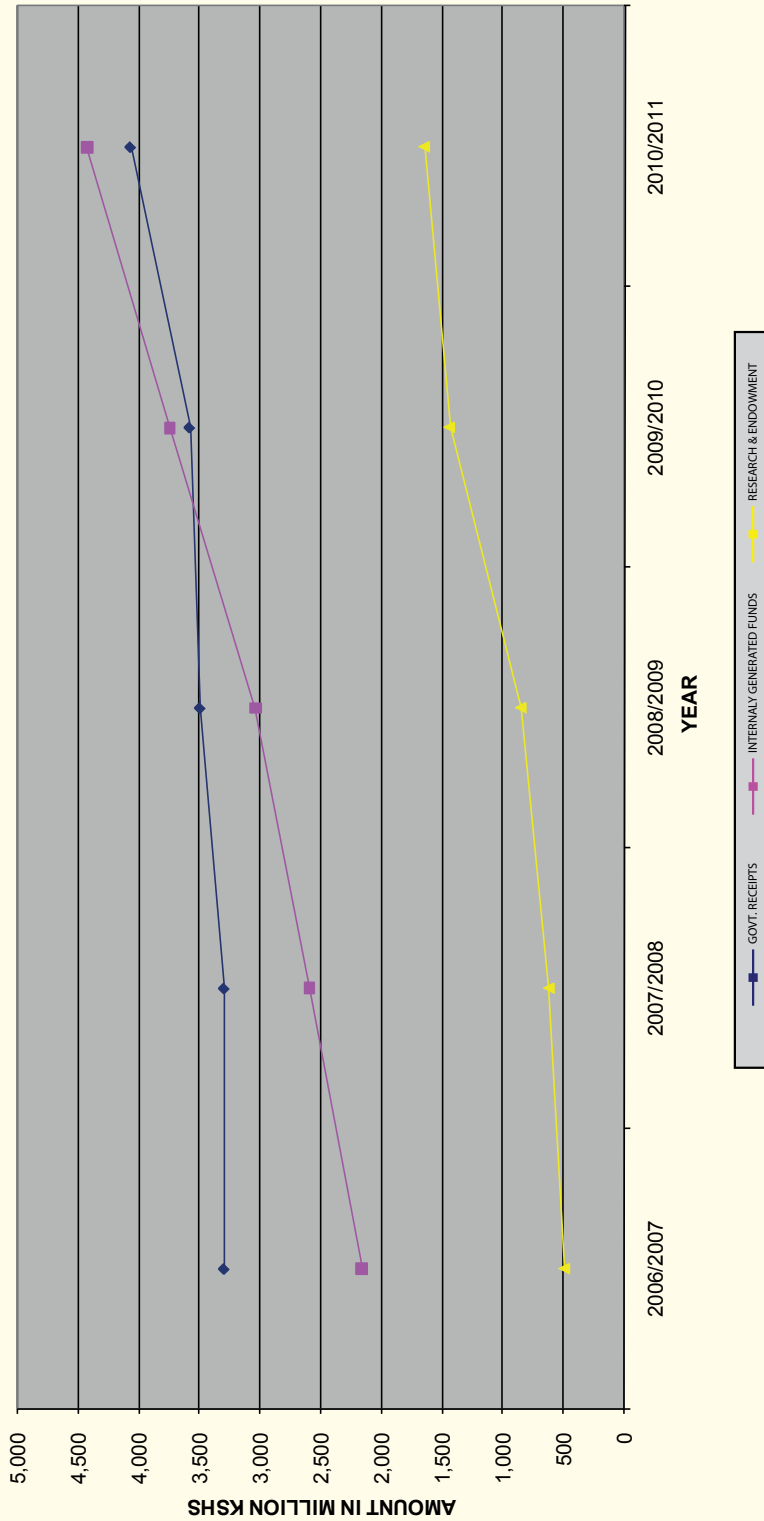
Expenditure

Research grants	1,721,594,143	1,444,905,433	700,664,109	650,378,294	543,519,819
Endowment and donations	32,908,468	34,487,409	18,473,566	6,382,379	25,566

5 YEAR GROWTH OF NON-CURRENT ASSETS FROM 2006/2007 TO 2010/2011



5 YEAR INCOME TREND FROM 2006/2007 TO 2010/2011





QUALITY POLICY STATEMENT

The University of Nairobi is committed to quality as the guiding principle in its decision making and leadership in the provision of university education and related services to its customers.

To realise this, the University management shall regularly monitor and review its performance for continual improvement and suitability by implementing an effective quality management system based on ISO 9001 standard.

2011
Annual Report



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