



UNIVERSITY OF NAIROBI

Annual Report 2010





 **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 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.
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2010



Annual Report



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Foreword

The 2010 University of Nairobi Annual Report is part of 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 2010 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.

This report also provides a detailed analysis of student enrolment in all programmes by gender, level of study and the module of choice. The pictorial section reads like a who is who, in respect to visitors to the University in its role of disseminating widely and holding discourse. 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”.

We hope that Annual Report 2010 highlights interests our stakeholders.

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Messages

— VICE-CHANCELLOR



Prof. George A. O. Magoha

The 2010 Annual Report, in keeping with trends and established standards has carried detailed information on the University's financial and infrastructural performance over the year. The Annual report summarises the state of our health as a corporate body and offers a glimpse of what to expect in future – a bigger, robust University.

2010, was eventful in that, while there was a harsh economic and political environment occasioned by student unrest, through prudent management of the human and financial resources, and the loyalty of staff, the University was able to continue to discharge its mandate.

The 2010, Annual Report therefore, is a manifestation of the versatility and resilience, determination and commitment of the University to provide quality education and training, to meet Kenya's MDG4 goals, and Vision 2030.

This Report highlights the activities undertaken in our units as well as the lead role played by the University of Nairobi in international discourse.

We invite all readers to enjoy reading and from keen insights, provide feedback on issues raised so that the publication is not only strengthened but also the University lives up to its reputation as among the best in the region.

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



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Principal, CHSS



Prof. Isaac O. Jumba
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Kenya Science Campus



Prof. Peter K'Obonyo
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Dr. G. Mboroki
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Sciences



Dr. G.M. Omoni
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Sciences (Ag.)

Deans & Directors



Prof. B. B. A. Estambale
Director, UNITID



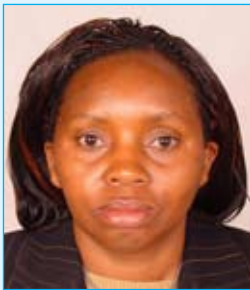
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Director, Board of Common
Undergraduate Courses



Prof. J. W. Mwangi
Cordinator, Intellectual
Property



Prof. S. Mitema
Director, Centre for International
Programmes and Linkages



1.00 Central Administration

ACADEMIC DIVISION

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

Admissions

In 2010 the Division successfully admitted the following number of students as per the Senate approved dates January, May, September/October:

Certificates	74
Diplomas	3288
Bachelors	39365
Postgraduate Diplomas	164
Masters	9982
Doctorates	163

Graduation

In 2010, the following 9071 graduands were awarded diplomas and degrees of the University of Nairobi:

Diplomas	1596
Bachelors	5344
Postgraduate Diplomas	101
Masters	1986
Doctorates	44

In 2010, Senate approved the following programmes:

- Certificate in Phytosanitary Measures.
- Diploma in Principles of Phytosanitary Measures

- Diploma in Information Technology
- Bachelor of Education (Arts) - SEUCO.
- Bachelor of Education(Science)-SEUCO
- Bachelor of Science in Hydrology and Water Resources Management-SEUCO
- Bachelor of Science in Forestry-SEUCO
- Bachelor of Science in Environmental Management-SEUCO
- Bachelor of Science in Fisheries Management and Aquatic Technology-SEUCO.
- Bachelor of Information Technology - SEUCO
- Bachelor of Engineering(Geospatial Engineering)- KPUC
- Bachelor of Philosophy in Technology(Electrical and Electronic Engineering Technology) – KPUC
- Bachelor of Science in Applied Aquatic Conservation and Fisheries Management- SEVCO
- Bachelor of Science in Biology
- Master of Arts in Agricultural Geography
- Master of Science in Plant Pathology
- Master of Science in Agricultural Resources Management
- Master of Arts in Urban Geography
- Master of Science in Agronomy
- Master of Science in Plant Breeding and Biotechnology
- Master of Science in Horticulture
- Post-Graduate Diploma in Phytosanitary Measures

Senate approved establishment of the following School and Centre: School of Public Health, and, Centre for Agricultural Networking & Information Sharing

ADMINISTRATION DIVISION

Introduction

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

Achievements

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

The Department coordinated various training programmes for staff aimed at enhancing staff performance including staff training and development fund award for 64 recipients'. 37 members of staff were supported to attend workshops and seminars.

The Department coordinated ISO activities in the University including two internal quality audits and two surveillance audits by KEBS. The University retained its certification and the final report of the audit is awaited.

Online leave processing was implemented in all

departments in Central administration and College of Biological and Physical Sciences (CBPS). The system increased efficiency in leave processing and it is envisaged that the system will be embraced in the remaining colleges especially after staff training on the use of the system has been cascaded to the colleges.

A better performance approach system was developed and was used to process performance appraisal letters for the 2010 exercise.

Future Projections

It is projected that performance management appraisal shall be processed online, during the year 2011, all departments in the University are expected to start using the Online Leave application system, the department will continue to enhance the records management system in the University.

Staff Statistics For 2010

In 2010, the department recorded the following statistics:

Appointments	369
Retirements	37
Deaths	22
Resignations	5



Graduands during the 44th Graduation Ceremony held in December 2010.

Summary of staff count by Grade and Gender

GRADE	MALE	FEMALE	TOTALS
DEPUTY PRINCIPAL	2	0	2
VICE-CHANCELLOR	1	0	1
DEPUTY VICE CHANCELLOR	3	1	4
PRINCIPALS	5	1	6
PROFESSORS & EQUIV.	94	13	107
ASS. PROF. & EQUIV.	197	39	236
SEN. LECT. & EQUIV.	301	104	405
LECTURER & EQUIV.	610	243	853
ASS. LECT. & EQUIV.	40	19	59
TUTORIAL FELL. & EQU	111	66	177
F	0	8	8
E/F	50	25	75
D/E/F	156	112	268
E	0	18	18
D	15	46	61
C/D	57	22	79
C	5	45	50
B/C	2	10	12
A/B/C	197	95	292
B	9	74	83
A/B	96	50	146
A	28	134	162
III/IV/ABC	0	0	0
IV	135	39	174
III/IV	2	3	5
III	196	78	274
II	213	121	334
I	31	24	55
CONTRACT	810	591	1401
TOTALS	3366	1981	5347

BOARD OF COMMON UNDERGRADUATE COURSES (BCUC)

Introduction:

The Board of Common Undergraduate Courses (BCUC) is a body established by the University with the responsibility of administering and monitoring the regulations, organizing the teaching, examinations, and the evaluation of curricula for common undergraduate courses.

The aim is to produce graduates who are holistic, well-rounded and who have a general understanding of cross-cutting issues about society. While the undergraduate line courses provide a student with expertise in specific areas, in real life, demands on the graduate by society are usually much broader. Therefore, the courses offered

are designed to help a graduate look at life more broadly.

The courses

The Board continued to offer ten common undergraduate courses that included: Communication Skills; Human Health; Environmental Science; Chemistry and its Applications; Science & Technology in Development; and HIV/AIDS

Challenges

The board faced many challenges including the need to improve staff and office capacity of the course coordinator; systemizing teaching and examinations.

Way forward

Course coordinators are very critical in the running of common undergraduate courses, therefore there will be need to provide staff to assist these coordinators. The strategy is to convert every office of the coordinator into a BCUC satellite office that is able to handle routine matters concerning the course in consultation with the head office.

The teaching and examinations of common undergraduate courses follow the general academic calendar. The only difference from the mainstream courses 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. It is envisaged that a student may re-take or re-sit a paper in any centre where the examination is administered, but with prior arrangement with the board.

BOARD OF POSTGRADUATE STUDIES

The Board of Postgraduate Studies (BPS) was established in 1985, to manage and co-ordinate postgraduate studies in the University.

In 2010, the Board had over 350 programmes covering a wide spectrum of disciplines in the arts and humanities, biological and biomedical sciences and physical Sciences. In addition to the above, the University is now offering Ph.D programme by coursework, examination and thesis and so far, has pioneered such programmes for economics, commerce, agriculture, journalism, education and project planning.

New and revised syllabi

In the year under review, the following new programmes were approved by Senate:

- Master of Arts Peace Education
- HIV Fellowship
- Master of Science in Finance
- Postgraduate Diploma in Phytosanitary Measures
- Master of Science in Marine Biodiversity
- Conservation and Fisheries Management
- PhD in Education
- Master of Science in Industrial Pharmacy

The following programmes were revised during the year

- MA in Kiswahili Studies
- Master of Science in Plant Breeding and Biotechnology
- Master of Science in Agronomy
- Master of Science in Horticulture
- Master of Science in Medical Statistics
- Postgraduate Diploma in Biomedical Research Methodology
- Master of Dental Surgery in Oral and Maxillofacial Surgery
- Master of Education
- Master of Science in Applied Parasitology
- Master of Science in Entomology

Scholarships

In year under review, the Board received and distributed the following scholarships.

112	University of Nairobi Masters scholarships
7	SASAKAWA Masters scholarships
5	DAAD Masters and 3 Ph.D scholarships

Exhibitions

In an endeavor to market Postgraduate programmes, the Board actively participated in strategic marketing locally and regionally by taking part in the international Universities exhibition in Kampala, Uganda.

Locally, the Board participated in the Kenyan Universities exhibition organized by the Commission for Higher Education in Nyeri, and at the Sarit Centre.

Commitment to service

In order to ensure that the Board provides effective and efficient services for our students, the Board put in place the Student Clearance System (SCS) which enables students who complete their studies in due time, to also complete their clearance and certification process in a maximum of two days. The Board also established a comprehensive procedure for the award of postgraduate scholarships.

Challenges

The Board faced numerous challenges in conducting its mandated business. Such challenges included: insufficient work and storage space; lack of transport; and, limited furniture and equipment.

STUDENT WELFARE AUTHORITY

Introduction

The Students Welfare Authority (SWA) is the hospitality wing of the University. The Unit is in charge of catering and accommodation. The vision of SWA is to be the first choice residential and catering facility for customers. The mission on the other hand, is to support the academic goals of the students of the University of Nairobi by providing a comprehensive, competent, and responsible catering and accommodation system.

Revenue Collection and Projects

In the year 2010, SWA Management realized Kshs. 231 million from its operations i.e. catering and accommodation together with its income generating activities (IGAs). With these resources in place, SWA was able to accomplish the following projects that were aimed at improving the welfare of its clients: renovation of Students Centre; Cabro work at Women's Hall Unit – Hall 13; Painting of Hall 5 and revived cold room facilities in all SMU's

Embracing ICT

SWA managed to upgrade the Halls Administration Management Information System (HAMIS) to a level where students could apply for room allocation

online. This was a major step towards enhancing the management of hostel facilities. In addition, SWA is developing the Catering Management Information System (CMIS) which is expected to improve the management and administration of catering services across the kitchens within SWA.

SWA, has successfully implemented the online leave processing system to its advantage. SWA, successfully carried out the above stated exercise with 508 applications being processed.

Challenges

Despite the progress as indicated above, SWA faced a number of challenges including: staff shortages; skills development; inadequate financial resources; low number of computers; inadequate network facilities; and, an unsatisfactory communication system.

CENTRE FOR INTERNATIONAL PROGRAMMES & LINKS

Introduction

The Centre for International Programmes and Links (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 a window for internationalization of the University of Nairobi.

CIPL's mandate is to facilitate collaboration between University of Nairobi and International institutions or organizations. In 2010 CIPL managed to keep track of information on projects/links/innovations resulting from the MOU's initiated from the six colleges.

The following are a number of successful projects that resulted from MOUs initiated from the six colleges: CHS- 36 projects, CBPS – 14 projects, CAE -6 projects and CHSS- 4 projects.

These projects included: training of postgraduate students, masters dissertations, clinical research,

several scholarship and research grants, support of honorary lecturers, publication of books, consultancy services, student and staff exchanges, jua kali artisan projects among others.

CIPL also established a data bank on all active MOUs. The CIPL web page was also updated to include more information concerning admission, collaborations, immigration documents among others for our local and international customers.

In 2010, CIPL facilitated the enrolment of 258 international students in various programmes and through its intervention, the University Management Board set aside 150 bed spaces for foreign students, to be allocated on a first come first served basis.

CIPL with support of the ICT centre installed a customized SMIS system for the unit to capture personal data for foreign and revised the International Students Information Booklet that is now in use by all foreign students, departments among others.

The Centre also participated in the University of Nairobi International Students Association (UoNISA) international day activities that took place in July 2010. The foreign students organization was assisted to open a student account and travelled to Hell's Gate and other tourist attraction areas in the Rift valley.

Visitors to the UoN in the Vice-Chancellor's office and CIPL

In 2010, CIPL facilitated cooperation between University of Nairobi and several international and local partners. These included: a courtesy call to Director, CIPL by Jessie Horner from Canada-Africa Research Exchange Grants (CAREG), Canada; Prof. Abel Adekola and Dr. Everlyne Wamboye from Global Access Group, USA; and Kwantlen Polytechnic University from Canada on future collaboration; Academy of Korean Studies (AKS) that led to signing of an MOU with the Dept. of Literature and establishing of the Korean Studies Institute; Sydney University-Australia; Kings College-London; and, Population & Health Research Centre (Launch of CARTA Programme).

Strategic Issues/Challenges

In 2010, CIPL developed and implemented a feedback mechanism to ensure compliance of MOUs. However, the Centre faces a challenge of facilitating and coordinating all international projects.

CIPL also faced the challenge of inadequate forums for fund raising and friend raising activities, such as meetings with donors and Kenyans of good will to market the University of Nairobi. The physical space and the staffing position is a limiting factor to CIPL operations. There is need to get a room for establishing an International Student Center and lastly the budget allocated for

CIPL is very small to cater for its expenditure.

Way forward

CIPL will demand full disclosure of all on-going international projects.

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

CIPL will organize fund-raising activities in a coordinated and aggressive manner.

That a marketing agent should be recruited to market University of Nairobi courses internationally to attract students.



Deputy Vice-Chancellor, Academic Affairs, Prof. J.T. Kaimenyi with visiting Staff and students from the Academy of Korean Studies.



INFORMATION AND COMMUNICATIONS TECHNOLOGY

Introduction

The ICT Centre was established in the late 2002 with the aim of assisting the university realise its mandate of innovative use of ICT services and products to support research, learning, teaching and administrative processes.

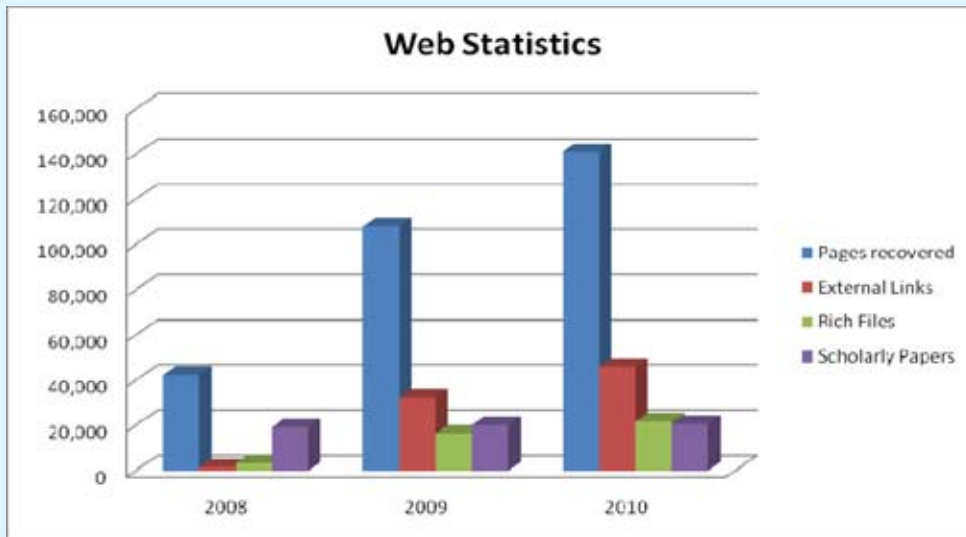
In a bid to realize this mandate, the Centre offered the following services: information systems development and Deployment; Communication & Network Infrastructure services; User Support and Maintenance Services; and, Consultancy, Innovation and Research & Development

MIS Services

In 2010, in terms of management information service, the Centre supported the University to carry out its administrative, teaching and learning functions. Below is a summary of these systems most of which were developed in-house.

1. Online Room Booking and Allocation system
2. Online Leave Application System (OLAPIS)
3. Q-Pulse system to assist in managing ISO
4. University Health Services (UHS) claims

Web Statistics



Webometrics Rankings

Since 2004, Webometrics have been ranking the performance of Higher Education Institutions worldwide. The ranking is published twice a year (January and July).

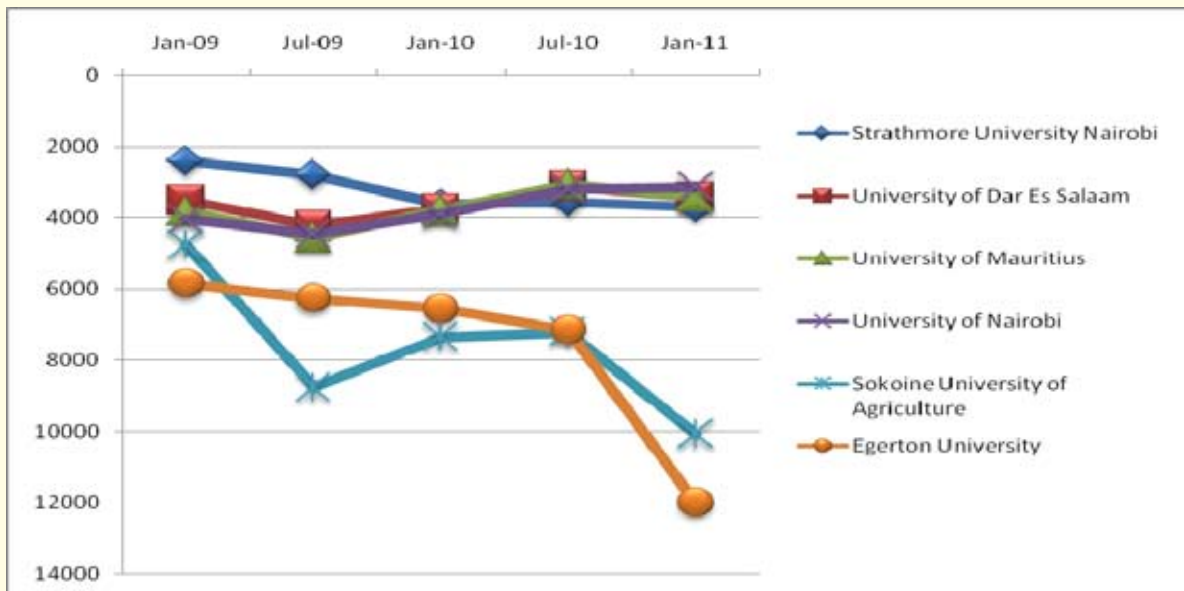
Methodology

The webometrics methodology is based on a criteria that focuses on four parameters namely:-

- Size -50%
- Visibility -20%
- Rich Files -15%
- Scholar -15%

The following table indicates UoN ranking since 2009

Ranking	AFRICA RANK	WORLD RANK	UNIVERSITY	WORLD POSITION IN			
				SIZE	VISIBILITY	RICH FILES	SCHOLAR
Jan 2009	29	4046	University of Nairobi	3,069	5,413	3,851	3,839
July 2009	24	4467	University of Nairobi	2,490	7,001	4,327	3,711
Jan 2010	28	3,897	University of Nairobi	3,136	4,679	4,363	4,104
Jul 2010	26	3,190	University of Nairobi	1,905	4,119	3,447	3,809
Jan 2011	27	3,136	University of Nairobi	1,976	4,335	3,310	4,382



Network Infrastructure Management Services including ICT Security, E-mail and Internet Services

Name of Project	Cost or Value	Brief description	Expected outcome and Impact	Current status / Date of Completion	Future enhancements
1. University of Nairobi Wireless Fidelity (WiFi) Network for Main Campus, SWA/ADD areas and adjacent student hostels.	Kshs. 8M	16 outdoor Access Points (APs) and 4 indoor APs Covers open spaces around the main campus, all the floors of the JKM Library, the ADD/SWA areas including the student halls and staff residence located in and around upper and lower state house and Mamlaka roads, the CCU area and	Enable over 10,000 students and staff with laptops and wifi enabled smart phones with the capability to conveniently access all the network services including Internet/E-mail and MIS (Management Information Service) portals across the target areas, and supplement existing wired networks. The project has registered over 4,000 regular users, and continues to grow.	Completed in June 2010.	Improve coverage and better the WiFi signal quality through addition of at least 10 extra outdoor APs to the network especially for the Student halls of residence.

			the open field extending into the the chancellors court (graduation square).				
3. Internet Bandwidth Upgrades	Recurrent monthly/quarterly bill	Submarine cable (SEACOM) bandwidth of 132 Mbps at same quarterly bill as above (working cost of USD 400 per Mbps per month)	Objective: To meet or surpass 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.	Recurrent	Sustain bandwidth growth to exceed 250 Mbps mark. Upgrade inter-campus WAN links to ensure improved access to the shared Internet Bandwidth Implement more hotspots to cover the student halls of residences to maximize off peak hours utilization		
4. University of Nairobi WiFi Networks for Lower Kabete (SOB) and	Appr Kshs. 20M	The projects are planned for implementation and completion by end of the 2010/2011	To transform major campuses into truly digital environments using WiFi technology.	Tenders are currently under evaluation. Expected	Gradually implement similar projects for Upper Kabete (CAVS), Kikuyu (CEES), Kenyatta hospital		

Chiromo (CBPS) campuses	financial year	<p>To enable students and staff with WiFi enabled equipment such as laptops or PDAs to access the entire portfolio of network services.</p> <p>Will stretch the reach of the University intranet to Student halls of residence.</p>	date of completion is early May, 2011	(CHS) and Kenya Science Campuses.
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GROWTH TRENDS IN NETWORK AND INTERNET EXPANSION

Wireless fidelity (wifi) network

Current status (Dec 2010)

The project was completed in June 2010. The project has 4,436 registered students and 200 registered members of staff.

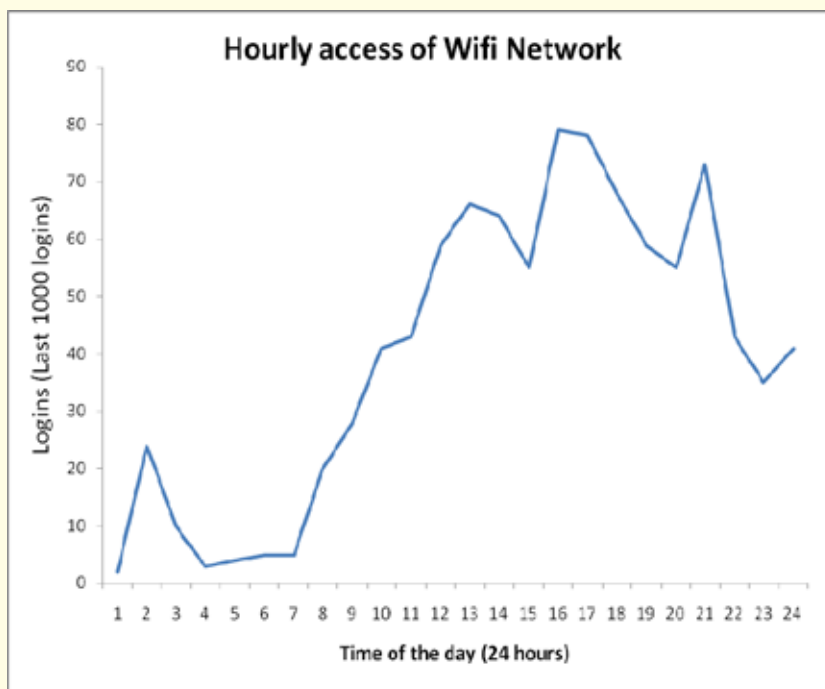
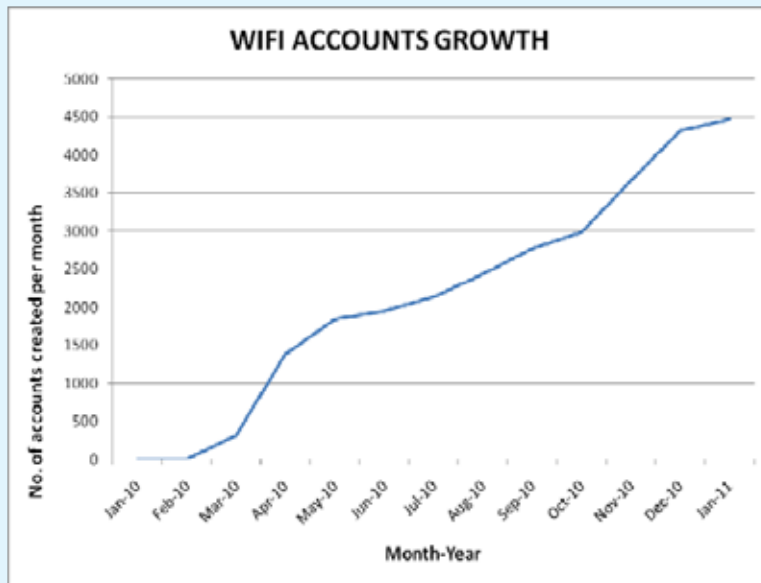


Figure 1: Hourly access of wifi network

In the figure above, an analysis of the last 1000 logins was done to determine hourly usage of the wifi. Majority of the users access the wifi in the afternoon, with the peak starting at 1600hrs to 1900hrs.



Growth in number of accounts

The figure above shows the growth in wifi accounts from the beginning of the project. The period starting March to May 2010 was the busiest.

• University Wide Area Network (WAN) services

Current status

Kenyatta, Lower Kabete, Upper Kabete, Ambank, Kikuyu, Parklands, Kisumu, Mombasa, IAS-Museum Hill, Dental School, Pension, and UNES were linked via fiber from the previous radio links at a total cost of Ksh 12 million.

Extral Mural centers (Nyeri, Kakamega, Meru, Nakuru, and Kisii) are linked via safaricom routers. Currently, only SMIS system is available via this connection due to the bandwidth limitation.

COMMUNICATION AND DATA CENTRE SERVICES

The year 2010 marked a historical occasion in the development of the communication system within the University of Nairobi. During this period the merger between ICT Centre and Telephone Section was realised more than seven years since the formation of ICT – Centre in 2002. Telephone Section has had a long history moving between various units within the Central Administration. Until the merger, telephone services were offered as a utility service within the estates department.

The merger between Telephone section and ICT – Centre has therefore brought into the University a new dawn of telecommunication services that will facilitate the University into achieving its mission of becoming the centre of excellence in the provision of its services.

Restoration of Telephone services

The section managed to restore telephone services at the Dental School after repairing a switchboard that had been down for over ten years. Services were also restored in ADD building and CPBS after replacing the old existing structured cabling and the underground cable in both sites respectively.

Radio Calls for Security department

The section helped develop the specifications and implementation for the radio system currently in use by the security department.

Staff Development

Contrary to the perception that telephone staff are not well qualified, over 90 per cent of the staff have gone back to school for professional training upgrades. All have relevant qualification to carry out their duties effectively and efficiently. In order to have equal chances with people in the same areas of specialty, many members of our staff are currently registered in various academic programs ranging from PhD, Masters, Bachelors, Diploma and Certificate levels.

STRATEGIC ISSUES

Restructuring the Telephone Section

The place of telecommunication services is very strategic in enabling the University achieve its daily operations. To embrace new technological advancements in communication, the need to merge ICT – Centre and Telephone Section operation is inevitable. There is therefore need to rationalize the current structures for both ICT-Centre and Telephone Section with a view of providing excellent services.

Telephone Access by all Staff

The section focused on providing telephone services to all the offices of the University irrespective of geographical locations. This was intended to help improve our daily activities. This is to be achieved by carrying out new installations, restoration and refurbishment of the faulty infrastructures.

Maintenance of the Existing Infrastructure

Maintenance of the existing infrastructure has become a major challenge in our case due to

the fact that existing systems are very old. Never the less we strive to maintain the system with as minimal breakdowns as possible. To reduce on related costs our technicians were trained to handle up to higher machine level services.

Achievements

Merger of ICT Centre and Telephone Section

The University management Board approved the merger of ICT-Centre and Telephone Section on September 30, 2010. The new look is expected to transform telecommunication services of the University in line with its strategic objectives. As a starting the Merged ICT- Centre is expected to move fast and complete the implementation of the VoIP project to its successful completion.

Enhanced Power Back up System in all Campuses

To be able to maintain communication services in the event of power failure, we have installed and maintained good power back up systems in all the major campuses.

Future Projections

With the Merger of ICT- Centre and Telephone Section, the Communication Section projects to fully implement the VOIP system and replace the current exchange machines in all colleges. The new system is to enable communication between all University offices on extensions irrespective of the regional location. Other communication services will also run concurrently as they come up on a day to day basis.

Current Establishment

The total number of staff in the new merged Centre is 121, broken down as follows:

ICT Centre	89
Telephone	32
Total	121



A student goes through medical checks at the University Health Services.

UNIVERSITY HEALTH SERVICES

Introduction

The University health services started in 1972 as an outpatient clinic for students. UHS provides health services to students, staff and their dependants. The main clinics are located along lower state House road and operate on 24 hour basis. There are satellite clinics in all campuses. UHS provides general and specialized outpatients services. The department has a workforce of 167 employees.

Strategic Objectives

- Improved quality health care
- Effective utilization and management of health related resources
- Strengthen and sustain policy on hiv/aids and counseling services
- Expansion and modernization of physical facilities and services
- Enhancing organizational culture of participation, ownership and purposefulness

Updates

Budgetary Allocation

University Medical scheme was allocated 1.78% out of the total University approved budget. This enabled university staff and their dependants to access quality healthcare.

Physical Environment

In order to provide a conducive working environment, renovation and rehabilitation was done to service delivery points. The parking lots and drive way were repaired and finished with paving blocks. The garden (flowers, trees and lawns) have been tended and maintained.

Ambulances Services

UHS has a fleet of 4 ambulances stationed in Main campus, Kikuyu, Upper Kabete and Lower Kabete

University staff and student Clinic

University staff and student Hospital has been accredited by National Hospital Insurance.

Theatre Services

During the year, 154 surgical operations, mainly day cases were carried out saving the university substantial amount of money.

Integrated Counseling and Education Centre

The centre provides counseling services to members of staff their dependants and students. Psycho social support is also provided to those who are affected and infected. Support groups for affected and those who abused drug and substance were enhanced.

VCT Services were rolled out in all campuses and trained counselors deployed.

Achievement

Specialized Clinics

The following specialized clinics have been established: Hypertensive and Diabetic clinic, Heart and Chest Clinic, Executive Well Men Clinic, Comprehensive Care Clinic for HIV/AIDS and Reproductive Health Clinics in student and staff clinics.

Computer and UHSMIS

UHS has a total of 49 computers. Re-engineering of UHSMIS is complete and ready for rolling out.

Laboratory Services

Provisions of laboratory services were enhanced with acquisition of modern diagnostic equipment which includes automated clinical chemistry, auto analyzer and hematology blood processing.

Pharmaceutical Services:

The Pharmaceutical services were strengthening by reviewing drug formular, procurement of drugs of high quality and recruitment of three registered and qualified pharmacists and nine pharmaceutical technologists. Single prescriptions have been reduced significantly.

Linkages and Networking

In an effort to improve the health care provision, UHS established networking with the National Malaria Control Program, the NACC, KEMSA and the National TB and Leprosy treatment programs, UNESCO, MOH, KNH, DASCOP, ICL, FHI ETC.

Medical and ENT Equipment

During the year various service delivery points were supplied with patient Monitors. Other relevant equipments like ENT equipments were also purchased.

Challenges facing UHS

UHS endeavor is to provide quality health care to University community; however, a number of challenges exist:

- Limited autonomy in decision-making.
- Increasing demand for quality health care from growing University population both (staff/ dependant and students).
- Irregular remittance of student medical fee to UHS by colleges.
- Frequent changes in drug prices.
- Slow process of acquiring essential supplies like medical equipments, drugs and laboratory reagents.
- Slow process of recruiting personnel.
- Shortage of staff
- Lack of scheme of service for different cadres.
- Space Limitation.
- Delay to attend to maintenance and repair requests

Future Projections

In order to be able to respond to the challenges mentioned above UHS intends to undertake:

- To solicit for autonomy decentralization in some areas
- Enhance utilization of University staff and student Hospital.
- To utilize allocated space at Kenya Science.
- To post Medical Officers to busy satellite clinics.
- To open laboratory outlets in the busy satellite clinics
- To directly receive students' medical fee paid to student's medical account.
- To move squeezed satellite clinics to bigger space.
- To establish radiological and imaging services centre
- Reorganization and upgrading of UHS to be in line with growing demand for its services

CONSTRUCTION & MAINTENANCE DEPARTMENT

In the year under review, the department undertook the following infrastructural developments:

Construction of Human Anatomy Annex, at a total cost of Kshs. 43m. On completion it is envisaged that the annex will provide services for general public and continue being a teaching facility for students of the College of Health Sciences.

1 Lecture Theatre and 3 Science Laboratories at Kenya Science Campus, the project comprises the construction of 1 Lecture Theatre with a seating capacity of 500 students, and 3 science laboratories for chemistry, biology and physics, it is envisaged that each lecture theatre will accommodate 180 students. The project also has parking areas and paved walk-ways which include provision of ramps for the physically challenged at appropriate positions.

Generators: The University installed two generators at the Main Campus, 2 at the University Health Services, 1 at Lower Kabete Campus and 1 at the Upper Kabete Campus. This undertaking was done to forestall the effects of the constant power outages in the Kenya Power & Lighting Company Mains.



Then new lecture theatre at the Kenya Science Campus is among the projects completed at the cost of Kshs 43 million.

UNIVERSITY OF NAIROBI PRESS

Introduction

The University of Nairobi Press supports and promotes University of Nairobi's objectives of discovery, dissemination and preservation of knowledge, and stimulation of intellectual and cultural life by publishing works of highest quality in association with partners in different parts of the world. In doing so, it adheres to the University's tradition of excellence, innovation and scholarship.

New titles

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

- Reclaiming my dreams by Wanjiku Kabira and Njogu Waita;
- Managing natural resources for development in africa: A resource book by Washington Ochola et al;
- Reproductive health, economic growth and poverty reduction in Africa by Olu Ajakaiye and Germano Mwabu and;
- USA, India, Africa, during and after the cold war by P.G. Okoth.

Reprints

During the year under review, the Press reprinted 10 titles as follows:

- Comparative Study of Religions by J.N.K. Mugambi (ed)
- East Africa in Transition by J.M. Bahemuka et al
- Educational Management: Theory & Practice by J.A. Okumbe
- Ethics: A Basic Course for Undergraduate Studies by H.O. Oruka
- Fundamentals of Sociology of Education: With Special Reference to Africa by L. Kibera and A. Kimokoti
- Introduction to Environmental Education by J.E. Otiende et al (ed)
- Introductory History of Education by D.N. Sifuna and J.E. Otiende
- Poverty and Policy in Kenya by Jane Mariara

- Survey Sampling: Theory and Methods by D. K. Nassiuma
- Techniques in Geography by R.T. Ogonda

Exhibitions/ marketing trips

In 2010, the Press undertook and attended exhibitions as follows: University Exhibition Nyeri- March 22nd to 25th 2010; Bookfair- September 22nd – 27th 2010; Nairobi International Trade Fair September 28th to 3rd October 2010.

Partnerships

In 2010, the Press established one Partnership with the International Institute of Rural Reconstruction (IIRR), a non-profit, non-governmental organization that aims to improve the quality of lives of the rural poor in developing countries through rural reconstruction.

SPORTS AND GAMES DEPARTMENT

Introduction

The Department of Sports and Games is as old as the University itself dating back to the late 1960s. The department is located in Hall three (3) behind the students' clinic off State House Road. The Department has four (4) offices at the main campus, and an office in each of the Colleges/ Campuses.

Updates

During the month of (December 16th-22nd, 2010) the University teams participated in the East Africa Inter-University games held at Kenyatta University. The University was represented by a contingent of 242 students who participated successfully in the following sports: 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 teams bagged 69 medals emerging 1st overall in the women's category and 3rd overall in the men's category in the entire region.

During the year, the department had an elaborate

Inter-Campuses/Colleges sport programmes for students. On top of this, the University main teams e.g. rugby, basketball, volleyball, hockey, soccer, handball, swimming, athletics and others represented the University of Nairobi in national league tournaments and the Kenya Universities Sports Association (KUSA) organized leagues.

Strategic issues

In 2010, the department delineated the following strategic issues for implementation: to maintain and sustain 'state of the art' sports facilities at both College and University level; to continually procure and maintain standardized sports equipment and kits for both College and University teams; and, to continuously and consistently increase the number of participants in sports and games for both students and staff.

Achievements/challenges

In 2010, the department was able to successfully identify talents among our students; Nurtured the talents; Achieved elitism in a number of students; Realized wellness programme for a large number of students, through the existing sports programmes. Students were networked to the corporate world for employment with the award of scholarships to excelling students particularly in athletics. The University achieved greater visibility through

hosting sports. Ultimately, there was continued development and management of sports facilities at both Colleges and University level.

Among some of the challenges that the department faced included: Lack of enough office space; Inadequate allocation of financial resources; The ratio of existing technical staff is over stretched for the required services; Difficulties in incorporating the upcoming Campuses in the existing sport programmes; and, Inadequate sports facilities and equipment to cater for the increasing student population.

Future projections/way forward

It is envisaged that there will be recruitment of enough technical staff to effectively render services to student population. The department has finalized the proposals for the establishment of a gymnasium/health club for both students and staff. The department envisages growing into a school of sports, leisure and recreation, where they can teach and offer diplomas and certificates in referring, sports psychology, sports pedagogy, swimming instructors and life saving and other relevant areas of sports. Ultimately, the department envisages the expansion of sports facilities at both College and University level (including outsourcing facilities where applicable).



The Vice-chancellor, Prof. George Magoha and Deputy Vice-Chancellor, Administration and Finance, Prof. Peter Mbithi receive trophies from sports captains and administrators.

LIBRARY DEPARTMENT

Introduction

The UON Library system comprises the Main Library and 13 College and branch Libraries spread on various campuses of the University. 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.

Updates/Achievements

The Library acquired 8,155 additional volumes inclusive of books and bound journals through purchases and donations. The library thus has a stock of over 800,000 volumes.

The Library subscribed to over 45,000 peer reviewed full text electronic journals in all disciplines. Access to e-resources was enhanced through expansion in computer labs and other access points throughout the University. During the year, hotspots were installed in the Main Library to facilitate the use of personal laptops.

The Library subscribed to 51,000 electronic books while continuing to evaluate other databases with a view to accessing additional titles.

In order to meet the user needs and improve on the services, the Library carried out a user survey in the last quarter of 2010. This, together with the existing user feedback through suggestion boxes and help desks has raised issues which are being addressed. In order to meet the expanding user needs, the Library increased facilities and equipment including reading desks and chairs, computers and printers.

The Library mounted information literacy training programmes in various Campuses to enhance user competence in effectively utilizing information resources. These involved lecturers and students at undergraduate and postgraduate levels.

For the second time, the Library was ranked number one out of the 21 departments in the Central Administration, in Performance Contract for the year 2010.

The Library established UON Digital Repository 2010 to make research output generated by the University community more visible and accessible. The digital repository has been enhanced through:-

installation of software, staff training workshops on management of digital repository and software, and migration of the initial stand alone database to the UON server which can now be accessed via intranet.

External Links

The Library maintained links and collaborated with several institutions for resource sharing, organizing training workshops, professional meetings and visits and user surveys. These include: The International Network for the Availability of Scientific Publications (INASP), Kenya Library and Information Services Consortium (KLISC), The International Federation of Library Associations and Institutions (IFLA), and Electronic Information for Libraries Network (Eilf.net)

Challenges

- The expansion of the University continues to pose a challenge to the Library system to provide adequate and quality resources and services to meet the user needs.
- In its role in facilitating research in the University community, the Library has the challenge not only to facilitate access to research output, but also to make local research globally visible.
- The heavy investment in diverse information resources calls for strategies to ensure optimal utilization of the resources, which include competence building within the University community.

PLANNING DIVISION

Introduction

The Planning Division supports university-wide strategic initiatives in line with the University's vision and mission within agreed budget levels and time-frame. The Division continued to be instrumental in many planning processes such as in the provision of physical facilities for teaching, research and to hold a key position in the University, enabling it to play a role towards making the University visible locally, regionally and internationally.

Achievements

The Division compiled and organized data bases of

teaching staff, their specializations and credentials for the International Association of Universities (IAU) publication and the Inter-university Council for East Africa. It also updated the annual University Academic Calendar for 2010.

The Division steered the preparation and organization of the Nairobi International Trade Fair (NITF) where the University was awarded the first prize in the Research and Development Project category for the year 2010; and the second prize in the category of best Institute of Higher Learning/ Education. Other certificates were also awarded in the farm and dairy produce categories.

Strategic issues

Publication of the University Calendar: The 2010 - 2011 document was reviewed and newly developed academic programmes incorporated to ensure relevance and applicability guided by an operational Almanac.

Branding of the University: The University brand

was sustained through a number of activities such as the NITF, universities exhibitions and the two graduation ceremonies in September and December, 2010.

Promotion of University image both locally and internationally: The University image was promoted through publications such as Association of Commonwealth Universities (ACU), Commonwealth Universities Yearbook (CUY) 2011), Commonwealth Education Partnerships (CEP), International Association of Universities (IAU) and The Europa World of Learning.

Challenges

The major challenges the Division faced were financial cutbacks in meeting its obligation such as buying publicity space in the international publications marketing the University, and non-observance of deadlines in providing relevant information for various publications that the Division processes.



Chancellor, Dr. Joseph Wanjui on one of the University stands during the 2010 Nairobi International Trade Fair. The University emerged the best in various categories: higher learning, agriculture and animal production.



2.00 College of Agriculture and Veterinary Sciences

FACULTY OF AGRICULTURE

The Faculty of Agriculture opened its doors to its first forty-one (41) students in the 1970/71 session. Since then other departments have been established, transferred or merged. In 2010, the Faculty comprised the following departments: agricultural economics; plant science and crop protection; food science, nutrition and technology; land resource management and agricultural technology; and animal production which is a constituent department.

The role of the Faculty is to train personnel who are broadly knowledgeable in most aspects of agricultural sciences namely soil and animal production, crop protection, agricultural economics, agricultural engineering, rural sociology and extension, range management and food science. In addition to these, students are taught basic sciences such as physiology, biochemistry, mathematics, botany and zoology. The students also undertake industrial/firm practice before their final year thus giving them a chance to interact with the industry in the areas of their specializations. At the postgraduate level, students graduate with specializations in crop science and crop protection, range management, economics, soil science, animal production, food science, land and water management and agricultural information communication and management.

Enrolment

In 2010, the faculty enrolled the following numbers:

B.Sc. Agric.	236
B.Sc Food Sc. and Technology	116
B.Sc. Range Management	70
B.Sc. Agricultural Education & Extension	107
B.Sc. Agribusiness Management	117
B.Sc. Food Nutrition & Dietetics	112
B.Sc. Management of Agroecosystems & Environment	100
B.Sc. Horticulture	17
M.SC	188
Ph.D	45

International Students

Rwanda	11
Sudan	1
Tanzania	1
Malawi	3
Ethiopia	1
Uganda	1
Zimbabwe	1



Early maturing bean variety developed by the Faculty of Agriculture.

Research initiatives

In 2010, the staff of the faculty were involved in initiatives that included: Identifying constraints and strategic interventions in livestock and livestock products export value chain in Kenya; Cost-Benefit analysis of the Reform of NARLS policy in Kenya; Enhancing food security through improved fishponds in Kenya; Farm resource and diversified farming systems; Food policy; Technology transfer; and , Institutions in development

International Links and Collaborations

In 2010, the faculty initiated and maintained the following links and collaborations: collaboration with the University of Bonn (UOB), Germany, University of Guelph , Department of Agricultural Economics,Lund University, Department of

Sociology, LUND, Sweden, The African Economic Research consortium (AERC) Edulink -SUCAPRI - Makerere University (MAK), International Centre for Development oriented Research in Agriculture (ICRA), Commonwealth of Learning (COL), National Agricultural Research Organization (NARO, Uganda), Kenya Agricultural Research Institute (KARI), Kenyatta University (KU), Jomo Kenyatta University of Agriculture and Technology (JKUAT) and Egerton University. Alliance for Green Revolution Africa (AGRA) and Iowa State University, USA. Scottish Crop Research Institute, Masinde Muliro University of Science and Technology,

Kenya Plant Health Institute (KEPHIS), CAB International, and IPPC. Center for Sustainable livelihoods, University of Cork, Ireland ,University of Cornell,), Moi University, CIAT.

Graduands

BSc.-Agribusiness management		22
BSc.	- Agricultural education & extension	22
BSc.	- Agriculture(Agricultural Economics major)	16
MSc.	- Agricultural and Applied Economics	12
MSc.	-	22
Ph.D.		1
Diploma in Crop Protection	-	1

Publications

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Papers Presented at Conferences

- **Irungu P.** (2010) Analysis of economic incentives influencing the use of antibiotics in livestock production in Kenya: A pilot study. A blog post found at <http://www.cddep.org/blog/post/analysis-economic-incentives-influencing-use-antibiotics-livestock-production-Kenya-pilot>.
- **Ambuko, J.** Pest risk analysis to facilitate trade in horticultural commodities; what role can the academia play? Plenary paper presented at the Horticultural Association of Kenya Workshop held at AICAD, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Juja, Kenya. 8th – 11th December 2010.
- **Ambuko, J.,** Githiga, R., Hutchinson, M.J., Shibairo, S.I., Gemma, H. and Owino, W.O. Effect of 1-Methylcyclopropene (1-MCP) on the postharvest shelf life and quality of 'Tommy Atkins' mango fruits harvested at two stages of maturity. Poster presentation at the Fifth Scientific, Technological and Industrialization Conference at Jomo Kenyatta University of Agriculture and Technology (JKUAT), Juja, Kenya. 17th- 19th November 2010.
- **Ambuko, J,** Yumbya, P. and Owino W. effects of 1-methylcyclopropene (1-mcp) and active modified atmosphere packaging on the post harvest shelf life of tomatoes. Poster presentation at the Fifth Scientific, Technological and Industrialization Conference at Jomo Kenyatta University of Agriculture and Technology (JKUAT), Juja, Kenya. 17th- 19th November 2010.
- **Ambuko, J,** Irungu, P, Kaitibie, S and Marechera, G. Success of Chinese agriculture: what lessons can Kenya learn? Plenary paper presented at the Fifth Scientific, Technological and Industrialization Conference at Jomo Kenyatta University of Agriculture and Technology (JKUAT), Juja, Kenya. 17th- 19th November 2010.
- **J.L. Ambuko,** Y. Sekozawa, S. Sugaya, Zanol. G. and H. Gemma. Effect of postharvest hot air treatments on ripening and soluble sugars in banana fruits, *musa spp*, CV Williams. Poster presentation at the International Horticultural Congress, Lisbon, Portugal. 22nd to 27th August 2010.
- **Arim Ogolla,** C.A. Onyango, W. Owino, J.Ambuko, M.Masaku and L. Wasilwa. Post-harvest and transport technology issues in East and Southern Africa. Kenya Position paper presented at a Regional Video Conference and Kenya Institute of Administration. June 2010.
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- **J. W. Muthomi,** T. N. Kinyungu, J. H. Nderitu, F. M. Olubayo and J. N. Kabira. Effect of maize border crop placement distance on aphid population and aphid-transmitted virus diseases in potato. 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI
- **Ambuko, J,** Yumbya, P. and Owino W.

Headquarters, Nairobi, Kenya.

- **Chege F., Day R., Rotteveel T., Sakala A., Muthomi J., Otieno W., Kimani E., Ntoyai R., M'Elia J.G., Jones J., Olubayo F. and Mohamed, R.** A new partnership in phytosanitary capacity development for protecting agriculture and supporting trade in Africa: The Centre of Phytosanitary Excellence (COPE). 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI Headquarters, Nairobi, Kenya.

Outreach and community services

In the year under review, the faculty was involved in outreach activities that included: training farmers on water harvesting techniques in dryland areas of Eastern province, farmer awareness in aphid transmitted virus diseases in major potato growing areas, Mt. Elgon, Molo, Timau, Njabini and Kiambu; development and dissemination of integrated pest and disease management strategies in the production of seed potato in farmer-managed seed production system; and capacity building for the members of the potato, mango and dairy goat value chains under the SUCAPRI multi-stakeholder learning cycle.

FACULTY OF VETERINARY MEDICINE

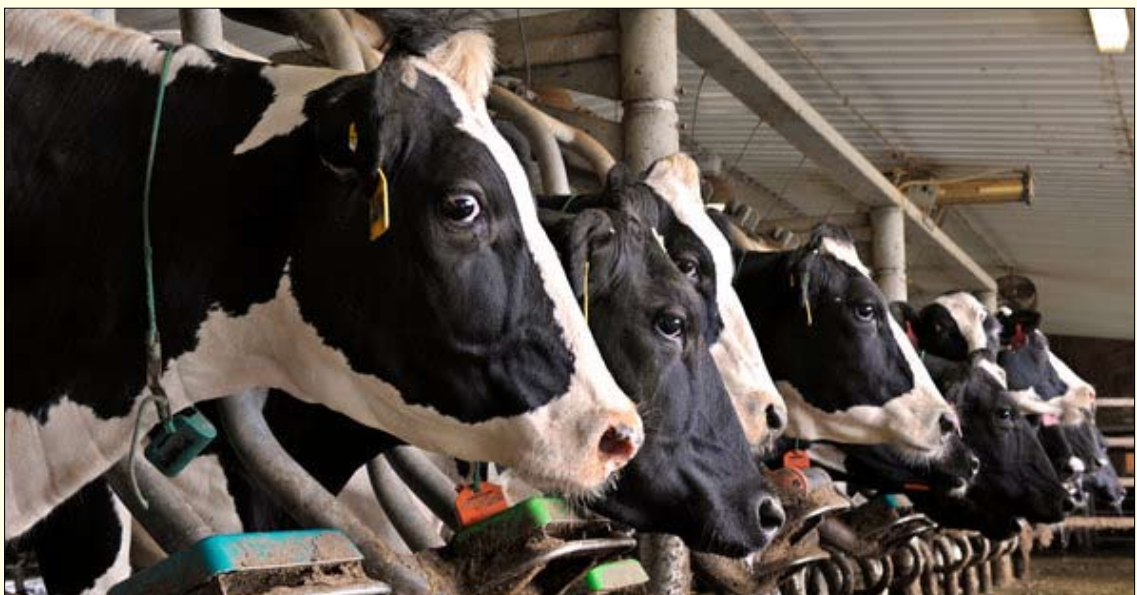
The Faculty of Veterinary Medicine is one of the oldest Faculties in the University of Nairobi having started training in diplomas in the 1940s. It later became a fully fledged Faculty offering degrees in 1962 and will be celebrating 50 years since inception in 2012. It has produced a large part of the alumni of over two thousand at both undergraduate and postgraduate levels.

In 2010, the faculty offered three(3) degree programs namely: Veterinary Medicine; B.Sc. in Biomedical Technology and; B.Sc. in Wildlife

Management and related options.

In addition, it offered over 15 M.Sc. and PhD programs, a diploma program in conjunction with AHITI Ndomba, one postgraduate certificate and one certificate program.

The Faculty of Veterinary Medicine has five departments, and a veterinary teaching farm . The departments are : Veterinary Anatomy & Physiology, ; Public Health Pharmacology & Toxicology; of Vet. Pathology Microbiology & Parasitology; Department of Clinical Studies



Student Enrollment

B.Sc Veterinary Medicine	413
B.Sc Wildlife Management and Related Options	98
B.Sc Biomedical Technology	59
Diploma in Animal Health and Production	10
Certificate in Artificial Insemination	7
Master of Science degree	18
Ph.D.	9

Graduands

Bachelor of Veterinary Medicine	80
Bachelor of Science in Biomedical Technology	31
Bachelor of Science in Wildlife Management and Related Options	17
Diploma in Animal Health and Production	13
Master of Science	17
Doctor of Philosophy	6

Research activities

In 2010, members of staff were involved in activities that included the following:

Use of sweet potato silage as animal feed; Use of enzymes in poultry diets; testing and validation of breed survey methodology, socio-economic survey and characterization of selected indigenous cattle of Eastern and Central Africa; evaluation and commercialization of medicinal plants' extracts for improved livelihoods: a case study of East Coast fever; camel productivity; Further work on Salmonella and E-coli

Publications**Publications.**

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- JM Kagira and PWN Kanyari: The role of Veterinary and Medical Personnel in the Control of Zoonoses in Urban Settlements on the Shores of Lake Victoria, Kenya. 13th Association of Institutions for Tropical Veterinary Medicine (AITVM) conference Aug. 22nd – 26h 2010. Sofitel centara Grand Hotel Bangkok Thailand
 - C.J. Nganga, D.W. Gakuya, R.M. Waruiru, A.Z., Sabuni and B.S. Muasa. Use of Albendazole -Levamisole combination in controlling multiple anthelmintic resistance in a sheep farm in Kabete, Kenya. 7th Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010
 - Chepkwony E.C. Gitao C.G. Muchemi G.M, collection, serotyping and characterization and of Foot and Mouth disease virus in circulation in the Somali Eco-system in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010
 - Chepkwony E.C. Gitao C.G. Muchemi G.M. Factors leading to Non-confirmation and Under-reporting of Foot and Mouth disease virus in circulation in the Somali Eco-system in Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th, 2010
 - Chepkwony E.C. Gitao C.G. Muchemi G.M. Seroprevalence of Foot and Mouth disease in the Somali Ecosystem in Kenya Sept. 8th – 10th ,2010
 - Mbutia P.G., C.G. Mathenge and P. W. Kamundia. Fish Diseases in Kenya: Current Status and Future Trends in Changing Environment. Presented at 7th Biennial Scientific Conference & Exhibition, 2010. Faculty of Veterinary Medicine University of Nairobi, CAVS Kabete on 8th to 10th September 2010 (abstract in the proceedings).
 - Kamundia, P.W., P.G. Mbutia, Waruiru R. M, Njagi L. W., Nyaga P. N., Mdegela, R.H., Byarugaba, D. K. and Otieno R.O. Pathological Changes in selected organs of Nile Tilapia and

- Nile Perch in Lake Victoria, Kenya. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010. Faculty of Veterinary Medicine University of Nairobi, CAVS Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
- Kamundia, P.W., P.G. Mbutia, Waruiru R. M, Njagi L. W., Nyaga P. N., Mdegela, R.H., Byarugaba, D. K. and Otieno R.O. The Occurrence of Trypanosoma in Fish in Lake Victoria. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010 Faculty of Veterinary Medicine University of Nairobi, CAVS, Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
 - Kibebe, H.W., P.K.Gathumbi, C.S. Kigondu, (P.G.Mbutia), J.W. Karioki. Early Detection of Hyperglycemia using Glycated Hemoglobin in mice model. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010 Faculty of Veterinary Medicine University of Nairobi, CAVS Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
 - C. M. Gichohi, P. G. Mbutia R. M. Waruiru, T. A. Ngatia, P. W. Kamundia, M. N. Mutune and R. O. Otieno. Prevalence and Intensity of Paracamallanus Species Infection in Farmed and Wild Catfish in Upper River Tana Basin, Kenya. Presented in the 7th Biennial Scientific Conference & Exhibition, 2010 Faculty of Veterinary Medicine University of Nairobi, CAVS Kabete on 8th to 10th September 2010 (Abstract in the proceedings).
 - George K. Gitau, Joshua W. Aleri Paul G. Mbutia and Charles M. Mulei. Major causes of calf mortality in peri-urban area of Nairobi, Kenya. Tropical Animal Health and Production 2010 (Also Presented in 7th Biennial Scientific conference & Exhibition, 2010).
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 - Kamundia, P.W., Mbutia, P.G., Waruiru, R.M., Njagi, L.W., Nyaga, P.N., Mdegela, R.H., Byarugaba, D.K. & Otieno, R.O. Trypanosoma infection in carrier fish of Lake Victoria, Kenya. The Faculty of Veterinary Medicine Biennial conference Sept. 8th – 10th 2010
 - Gathumbi P.K.: Emerging livestock: current status and global perspective with a local focus: 7th Biennial Scientific Conference of Faculty on veterinary Medicine Faculty of Veterinary Medicine Kabete, 8th to 10th September, 2010.
 - Gakuya, D.W., Mbaria, J.M., Gathumbi P.K, Kiama, S.G. Mathiu, M., Nguta, J.M. Ethnoveterinary medicine: the prospect s of integrating medicinal plants products in veterinary medicine in Kenya. 7th Biennial Scientific Conference of Faculty on veterinary Medicine September 8th to 10th, 2010.
 - D.W.Gakuya, Kiama, S.G., Mbaria, J.M, Mathiu, M., Gathumbi, P.K., Nguta, J.M. Traditional medicine in Kenya: past and current status, challenges and way forward. 7th Biennial Scientific Conference of Faculty on veterinary Medicine September 8th to 10th, 2010.
 - Kibebe, H.W., Gathumbi, P.K., Kigondu C.S., Mbutia P.G., Karioki J.W. Early detection of hyperglycemia using glycated hemoglobin in mice model. 7th Biennial Scientific Conference of Faculty on veterinary Medicine September 8th to 10th, 2010.
 - Hesbon Z. Amenity., Gathumbi P.K and James M. Mbaria. Acute toxicity and cytotoxicity of aqueous and chloroformic extracts of Rapanea melanophloes model. (2010). 7th Biennial Scientific Conference of Faculty on veterinary Medicine September 8th to 10th, 2010.
 - D. N Karanja, Aleri, A N Kipyegon, J D Mande, C M Mulei. A Poster presentation in 7th Biennial Scientific Conference of the Faculty of Veterinary Medicine on 8th – 10th September, 2010.
 - J.W Aleri., A N Kipyegon., J D Mande, C. M. Mulei & D. N. Karanja. An acute respiratory distress syndrome due to babesiosis in a dog. A Poster presentation in 7th Biennial Scientific Conference of the Faculty of Veterinary Medicine on 8th – 10th September, 2010.
 - Karanja D N., Ngatia T A., Wabacha, J. K. and Beborra L C. Toxic poisoning in smallholder pig

- farms in Nairobi and its . 7th Biennial Scientific Conference of the Faculty of Veterinary Medicine on 8th – 10th September, 2010
- S.M. Kihu, C.G. Gitao, L.C. Bebora, J.M. Njenga, G.G. Wairire N. Maingi & R .G. Wahome. Risk factors and socio-economic effects associated with spread of Peste Des Petits ruminants in Turkana district Kenya. Second Biannual conference of the Regional Universities Forum for Capacity Building in Agriculture 20th-24th September 2010 Entebbe.
 - C.G. Gitao., S.M. Kihu , L.C. Bebora, J.M. Njenga, G.G. Wairire, N. Maingi, & R .G. Wahome. Developing capacity for implementing innovative PPR control strategies based on the Epidemiology and Socio-economic aspects of the disease in the East African region. Second Biennial conference of the Regional Universities Forum for Capacity Building in Agriculture 20th-24th September 2010 Entebbe.
 - Gathuma J, M. Feasibility study on establishment of a Central Abattoir in Northern Kenya. Held on 16th July 2010 in PanAfric Hotel Nairobi. Presented a paper on “Animal Health issues.
 - Kang’ethe, E. K. Aflatoxin in animal feeds and human food in changing environments. Proceedings of the 7th Biannual Scientific Conference, Sept-8th- 10th, 2010.
 - Ogara W. O; Sirma, A. J and Mwai C. W. Fisheries policy and its relevance to food security and safety. Proceedings of the 7th Biannual Scientific Conference, Sept-8th- 10th, 2010
 - Nguta et al. Natural products from plant biodiversity and malaria: In: The 12TH International Symposium on Natural Product Chemistry and Related Biological Sciences, International Centre for Chemical and Biological Sciences (ICCBS), University of Karachi, Pakistan during November 22-25, 2010.
 - Nguta et al. (2010). Development of ethnomedicines for management of malaria in Msambweni district, Kenya: In: The Proceedings of a Workshop on Regional Networks in Africa, held on October 5-6th, 2010 at the Kopanong Hotel and Conference Centre in Benoni, South Africa, near Johannesburg.
 - Nguta et al. Ethnodiagnostic Skills of the Digo Community for malaria: A lead to traditional bioprospecting?: In: The Proceedings of the 1st East and Central Africa Regional Symposium for the Carnegie-RISE Fellows held on September 15th, 2010 at Royale Imperial Hotel, Kampala-Uganda, East Africa.
 - Nguta JM and Mbaria JM. Bioavailability of cobalt and anthelmintic effects of albendazole fortified with cobalt (Vermitan super) in sheep: In: The Proceedings of the 7th Biennial Scientific Conference, held on September 8th to 10th, 2010 at the Department of Public Health, Pharmacology and Toxicology Auditorium, Upper Kabete Campus.
 - Nguta JM and Mbaria JM. Spectroscopic determination of cobalt and copper in grass pastures in Kabete: In: The Proceedings of the 7th Biennial Scientific Conference held on September 8th to 10th, 2010 Kabete, Nairobi.
 - Kanja. L. W. Organochlorine Pesticide residue levels in Landed Nile Perch (*Lates Niloticus*) from Lake Victoria’. In International Symposium on Field Toxicology held in School of Veterinary Medicine, University of Zambia on 14 – 16th October 2009.
 - Kanja, L. W. ‘Assessment of mercury in water, sediment and fish samples from Lake Victoria in Kenya’. In 2nd African International Symposium in Environmental Toxicology, held in School of Veterinary Medicine, University of Zambia on 8th -10th September 2010.
 - Muchemi GM; Wildlife livestock interface in a changing environment. Proceedings of the 7th biannual Scientific Conference, Sept-8th- 10th, 2010
 - JM Kagira and PWN Kanyari: The role of Veterinary and Medical Personnel in the Control of Zoonoses in Urban Settlements on the Shores of Lake Victoria, Kenya. 13th Association of Institutions for Tropical Veterinary Medicine (AITVM) conference August. 22nd – 26h 2010. Sofitel centara Grand Hotel Bangkok Thailand.
 - Prof. Nyaga Presented a Keynote paper entitled,

'engaging agricultural universities in responding to emerging challenges: transboundary animal-human health epidemics', at RUFORUM 2nd biennial seminar held at Entebbe, Uganda, on 23rd-28th September 2010.

CONSULTANCIES

- Prof. Nyaga carried out consultancy assignment for FAO/ECTAD on human resources assessment for highly pathogenic avian influenza and other transboundary animal diseases in laboratory activities for Kenya, Ethiopia, Rwanda and Uganda in May 2010.
- Prof. Nyaga carried out consultancy assignment for the East African Community on the assessment of animal-human health expertise in avian influenza, other zoonoses and transboundary animal diseases in October, 2010.
- Dr. Gitao C.G. carried out consultancy training on, draught power of camel (training workshop) in Makindu. for KARI –KASAL 10-13th Nov 2010.

Out Reach and Community Service

Dr P.G. Mbutia trained women on poultry disease recognition, management and biosecurity in Central Kenya (held at Wambugu ATC, Nyeri) and Eastern

Province (Lysak Park Hotel,) Machakos under Women training and Poultry Health and Welfare/Well-being in Kenya in October 2010.

Professor Gathumbi participated in meeting between the Rabbit Development Stakeholders Forum, Kenya (RDSF (K) and the Kenya National Bureau of Statistics (KNBS) on November 23rd 2010, to discuss the requirements for conducting a national survey to determine the status of the rabbit industry in Kenya.

Prof. N. Mainji, Dr. S.M. Githigia, Dr. C.J. Nganga, Dr. F.Obonyo, Dr. E. Eshiteria, Mr. E.H. Weda and Mr. R. Otieno participated in the training of pig farmers and other stakeholders on Taenia solium cysticercosis/taeniosis in Homa bay District, Kenya. The training was carried out from 12th to 14th October 2010 under the auspices of the ASARECA project on "Diagnostic Tools and Control Strategies for Taenia solium.

Student professional bodies

The Faculty supported, facilitated and nurtured student's leadership which was very diverse and included Wildlife Students Association (WSAo, Biomedical Technology Students Association (BTSA) and Veterinary Students Association (VSA). The students at the Faculty of Veterinary Medicine are actively engaged in academic, social and professional activities.

WANGARI MAATHAI INSTITUTE FOR PEACE AND ENVIRONMENTAL STUDIES (WMI)

The successful fusion of university research and traditional training requires the provision not only of academic resources, but also of experiential learning opportunities, community mentoring, and utilization of indigenous knowledge. Therefore, Wangari Maathai's Institute for Peace and Environmental Studies (WMI)'s core purpose is to spearhead holistic multi-disciplinary research, training and community empowerment and outreach services as well as host a permanent exhibition demonstrating the work and ideals of Professor Wangari Muta Maathai.

The Institute lay special emphasis on forging regional and international partnerships to work at creating a



Students play their role in the restoration of Mau Forest.

centre of excellence for sustainable management of environmental resources. Furthermore, with a view to consolidating the impact of its operations, WMI will establish a forum for leaders and professionals worldwide to exchange ideas and interrogate issues that affect the socio-economic transformation of societies through sustainable natural resource utilization practices and better conflict resolution mechanisms. To this end, the institute will create an ethos of applied research,

mentorship and community service

Activities of WMI

WMI intends to put up a Green Campus and is currently going through an architectural design competition process. The Green Campus is envisaged to be entirely carbon neutral and self sufficient in its energy needs. It shall incorporate rain water harvesting and treatment and solar power to ensure total self-sufficiency in terms of

lighting and water heating. The proposed Institute shall also develop and manage demonstration farms for indigenous trees, medical plants, rain forest and wetlands management. It will be a showcase for Africa and the rest of the world.

WMI is currently developing its 10 year strategic plan. It was developed through a highly consultative and participatory process that included the WMI and Green Belt Movement Board members and staff, United Nations Environment Programme (UNEP), University of Nairobi faculty, the Kenya Wildlife Services, Forest Action Network, Centre for Sustainable Environment and Sustainable Education, Florida Gulf Coast University, National Environmental Management Agency, the National Museums of Kenya, and various other key national and international partners, as well as renowned individual leaders in environmental management. It is hoped that this process of developing this document will be complete by February 2011.

Currently the Institute is developing a tree nursery at the Kabete campus in conjunction with a community group known as the Mutamaiyu Women's Group from the Green Belt Movement.

International links and collaborations.

In 2010, WMI developed links with; Green Belt Movement, The Energy and Resources Institute (India), The University of Texas at Austin, Princeton University, University of Copenhagen (Faculty of Life Sciences), Coventry University, The Norwegian Forestry Group and UNEP.

Wangari Maathai Institute for Peace and Environmental Studies, University of Nairobi, Kenya in collaboration with Green Belt Movement, Kenya, Faculty of Life Sciences and Faculty of Law, University of Copenhagen, Denmark developed a concept note in May 31, 2010 for fundraising for Research into action titled "A multi-stakeholder initiative for ecosystems health, sustainable livelihoods and peace in the Mau watershed, Kenya"



3.00 College of Architecture and Engineering

SCHOOL OF THE BUILT ENVIRONMENT

Introduction

The School of The Built Environment was created in 2005, following the re-structuring of the former Faculty of Architecture, Design and Development. In 2010, the School had over 80 staff and 1,000 students, offering a 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 our environment and infrastructure.

The courses offered in the School embraced a diversity of subjects, the main common theme running through them being the man-made physical environment and the exercise of human control over the environment.

Enrollment.

In 2010, the School enrolled the following number of students:

Department of real estate and construction management	605
Department of architecture and building science	303
Department of urban and regional planning	158

Strategic issues

In 2010, the recruitment of staff as well as the management of the increase in the population of students in the Module II stream, and constant review of curricula were some of the major strategic issues of concern.

Graduands

PhD	2
Masters	15
Undergraduate	153
Diploma students	15

International Student component

In 2010, the School had three international students drawn from Uganda and Namibia.

Publications

- Omenya, A. (2010) The state of African cities :governance, inequality and urban land markets (East African Chapter), UN Habitat
- K'Akumu, O.A (2010) Factor cost indices practices in the building industry for Nairobi, Kenya, 2010 Journal of Financial Management
- Rukwaro, R (2010) Basics of research writing, Arts Press, Nairobi.
- Wachira, I,N. (2010) Financing craftsmen training in an information dominated Kenyan construction sector. Africa Habitat Review Vol 4 2010.
- Maina S, W.Olima and T. Anyamba (2010) Adopting a new eco-ethical philosophy of living; the

diminishing options for Nairobi and humanity, Africa Habitat Review Vol 4 2010

- Gichunge, H and M. Musungu (2010) Motivation and its effect on productivity of workers in the Kenyan construction industry. Africa Habitat Review Vol 4 2010.

Papers presented

- Makachia, P. Housing and urban identity: comparing Nairobi and Dar-es-Salaam. A paper presented at the Eastern Africa Regional Workshop on Architecture, ADD, UoN, 25-26 August, 2010
- Anyamba, T.J.C. Developing an authentic African architecture. Paper presented at the Eastern Africa Regional Workshop on Architecture, ADD, UoN, 25-26 August, 2010 .
- Omenya, A. Effects of globalization in training architectural design: a case for a pedagogical shift in African schools of architecture. Paper presented at the Eastern Africa Regional Workshop on Architecture, ADD, UoN, 25-26 August 2011.
- Ebrahim, Y. Digital universities in relation to the architectural profession. Paper presented at the Eastern Africa Regional Workshop on Architecture, ADD, UoN, 25-26 August 2010.
- K'Akumu, O. (2010) Paradigm shifts in development theory and practice: implications for the built environment studies. Paper presented at the Eastern Africa Regional Workshop on Architecture, ADD, UoN, 25-26 August, 2010.
- Kamweru, K. Ubiquity as a tool of urban development: leveraging common knowledge for more humane cities. Paper presented at the Eastern Africa Regional Workshop on Architecture, ADD, UoN, 25-26 August, 2010.
- Nzioki, N.M Affordable quality housing: time to rethink strategies. Paper presented at the 10th Afres Conference; 26-29 October 2010.
- Kimani, M. Role of shelter cooperatives in the provision of affordable housing in Kenya: the challenges of securing titles for the housing units. Paper presented at the 10th Afres conference; 26-29 October 2010.
- Mwangi, W. Land policy development and land clashes in Kenya: is there light at the end of the tunnel. Paper presented at the 10th Afres Conference; 26-29 October 2010.
- Olima, W.H.A. Revenue autonomy and property taxation in Anglophone East Africa: opportunities, emerging trends and challenges tunnel. Paper presented at the 10th Afres conference; 26-29 October 2010.
- Murigu, J. Burying as an internment method and its impact on land use in Kenyan urban areas. Paper presented at the 10th Afres conference; 26-29 October 2010.

Research interests

In 2010, the members of staff had research interests that include : real estate valuation and management, fire safety and health concerns in buildings: land taxation and revenues for African local authorities; construction contract administration issues and their impacts on the construction industry; environmental conservation in the construction industry; housing policy studies; land policy issues.

International links

The School through the department of real estate and construction management maintained close association with the Royal Institution of Chartered Surveyors (RICS), African Real Estate Society (AFRES) and International Federation of Surveyors (FIG). At the local level, members of faculty were affiliated to the Institution of Quantity Surveyors of Kenya, the Architectural Association of Kenya, the Institution of Construction Project managers of Kenya and the Institution of Surveyors of Kenya. The department of urban planning maintained a link with the Rockefeller foundation

Collaboration

In 2010, staff in the School were involved in collaborative studies for the proposed bridge at Nairobi River (Kijabe Street), Ministry of Environment and Mineral Resources.

SCHOOL OF THE ARTS AND DESIGN

Introduction

The School of the Arts and Design, was established in 2003 breaking away from the Faculty of Architecture, Design and Development within the College of Architecture and Engineering (CAE), University of Nairobi

Design is intrinsically intertwined with the quality of life of people and the more sophisticated societies such as Japan, United States and Italy place a higher value on design in their day to day activities. In Kenya, however in spite of over 42 years of design education at the University of Nairobi and with over 2,000 graduates to date, the exploitation of design has been slow. The international design fraternity has reacted positively and has honoured the School as the hosts for the International Society of Industrial Designers (ICSID) in 2011.

In 2010, the School offered programs with a specialization in five areas namely industrial design, graphics, interiors, illustration, textiles and fashion. The School offered two degree programmes (B.A. in Design and M.A. Design).

Links

In 2010, the School maintained its link with the Network of African Designers, for developing an acceptable industry structure, while focusing on changing technological trends in the market.

Student Enrollment

In 2010, the school enrolled 300 undergraduates, 18 Masters and 4 PhD candidates.

International Student Component

In 2010, the school enrolled one student from the Netherlands.

International Links and Collaborations

The School received a visiting research fellow from the University of Netherlands. One student attended an international conference on business ethics and entrepreneurial responsibility in Karlsruhe, Germany from 1st to 13th November, 2010.



Publications

•Osanjo, I. Entertainment on Wheels: Matatu Mania(www.designmagazine.co.za , Issue. No.15)

Amolo,L and L.Osanjo. (2010) Tinga Tinga Tales: Reawakening Folktales from Africa. Online Design Magazine, Edition2,2010 <http://www.designmagazine.co.za/>

Amolo,L and L.Osanjo (2010) Design policy and

promotion in Kenya .SEE bulletin, Issue 3, May 2010(www.seeproject.org/publications)

Graduands

Undergraduates	29
Postgraduate	2

SCHOOL OF ENGINEERING

The School of Engineering formerly known as Faculty of Engineering is located on the main campus of the University, along Harry Thuku Road, directly opposite the main administration building of the University. It is comprised of the following departments: Geospatial and Space Technology; Civil and Construction Engineering; Mechanical and Manufacturing Engineering; Environmental and Biosystems Engineering; and, Electrical and Information Engineering

Courses Offered

In 2010, the School offered undergraduate courses leading to the following degrees: B.Sc. in Environmental and Bio-systems Engineering; Mechanical Engineering; Civil Engineering; Geospatial Engineering; and, Electrical and Electronic Engineering.

The School offered masters courses in all the programs as well as a postgraduate diploma in energy management.

PhD courses were also offered in the specialized areas of mechanical, electrical and electronic, civil; and, environmental and biosystems engineering.



Student enrollment

In the year under review, the School enrolled the following number of students:

B.Sc Mechanical	454
B.Sc Environ.	213
B.Sc Civil	642
B.Sc Elec.	661
B.Sc Geospatial	187
MSc.	76
Ph.D	5

Graduands

In 2010, the School graduated the following candidates

BSc. Engineering	219
MSc.	21
Ph.D	1

International students

There were 5 international students drawn from Sudan, Nigeria and Cameroon.

Research activities

In 2010, members of staff engaged in research activities that included: flood management; flood and catchment management, drought forecasting and early warning; parametric investigation of steel fibers from waste tires as concrete reinforcement ; assessment of microstructures in the development of PT-based super alloys; introduction and evaluation of conservation agriculture; and, technologies for sustainable crop production in Lake Victoria Basin.

International Links and Collaboration

The School established links with: the African Materials Science and Engineering Network (ASMEN) to train engineers in air conditioning and refrigeration. The Network signed a memorandum of understanding with the department of mechanical engineering in December 2010; Car and General who have donated four engines to the department of mechanical engineering.

The School through the department of

civil engineering is in collaboration with the Tampere University of Technology on research in sustainable water service management and governance.

Publications

G.O. Rading'. "A parametric investigation of steel fibers from waste tires as concrete reinforcement. ICATOR Journal of Engineering Vol 3, No.3 (2010) 283 299

Karanja F.N., 2010: The role of geo marketing in understanding the massification and expansion of higher education in public universities in Kenya: a case study of the University of Nairobi. Transforming Higher Education, Opportunities and Challenges, Volume 2, A Journal of the KIM School of Management, ISSN 2074-4730, pg. 64-76.

G. C. Mulaku and Kamau, J. (2010) Computer assisted analysis of the impact of location on real property value: A case study of Nairobi, Kenya. The Appraisal Journal (USA), Vol. LXXXVIII, no. 3, summer 2010, PP. 270 – 282.

Papers presented

M.B. Shongwe, B Odera, S.Small, A.M Ukpong, A.Watson, R.Suss, L.H Choinn, G.O Rading and L.A Cornish. Assessment of microstructures in the development of PT – based super-alloys. A paper presented at the The Southern African Institute of Mining and Metallurgy Advanced Metals Initiative Light metals conference 2010.

INSTITUTE OF NUCLEAR SCIENCE AND TECHNOLOGY

The Institute of Nuclear Science and Technology (INST) is a unit within the College of Architecture and Engineering. It was started in 1979 as a Centre for Nuclear Science Techniques and later elevated into an Institute of Nuclear Science. Recently, its scope has expanded into the areas of energy and its name has accordingly changed to Institute of Nuclear Science and Technology.

Courses offered

In 2010, the Institute offered a Master of Science programme, to train scientists in the applications of radiation science. In addition, the Institute

offered a three-month certificate course in renewable energy.

Enrolled students

In 2010, five students applied for the MSc in Nuclear Science programme.

Research

In 2010, members of staff carried out research in the following areas: development of a chemometric energy dispersive x-ray fluorescence and scattering (edxrf) spectroscopy method for rapid soil quality assessment; determination of elemental concentrations in edible seaweeds from the Kenyan coast using x-ray fluorescence technique; inter-comparison study of elemental content of herbal and conventional beverages consumed in Nairobi; trace element and bioavailability concentrations in food stuffs commonly consumed in south rift, Kenya; dose conversion factors for a target close to semi-infinite ground source of gamma radiation; and aerosol studies at the global atmosphere watch site on mount Kenya.

Publications

- N. Dharani, J. M. Onyari, J. I. Kinyamario, D. M. Maina, K. M. Mavuti (2010) Distribution of Cd and Zn levels in soils and *Acacia xanthophloea* Benth. from Lake Nakuru National Park Kenya. *Bull Environ Contam Toxicol* 85:318–323
- Akundabweni LSM, Munene RW, Maina DM and JM Mangala(2010) Mineral micronutrient density characterization using energy dispersive X-ray fluorescence (XRF) analysis in four on-farm Kenyan wild African fruit tree germplasm. *AJFAND*, Vol 10(8), pp. 1 – 26.
- Akundabweni LSM, Mulokozi G and DM Maina (2010) Itonic variation characterization in African leafy vegetables for micronutrients using XRF and HPLC. *AJFAND*, Vol 10(11), pp. 1 – 20.

Papers presented

- P.O. Ogwari, H. K. Angeyo, A. O. Mustapha and J.M. Mangala Trace element profiles of geothermal field matrices associated with a high background radiation area (hbra) analyzed using chemometrics-assisted xrf spectroscopy. Paper presented at the 3rd African IRPA Congress held at Laico Hotel, 13th to 17th September, 2010.
- P.O. Ogwar, H. K. Angeyo, A. O. Mustapha and J.M. Mangala Geostatistical modeling of a high background radiation area geothermal field matrix trace elements: the goals and challenges of Kerio valley geothermal field. Paper presented at the 3rd African IRPA Congress held at Laico Hotel, 13th to 17th September, 2010.
- L. Ntihakose, J. P. Patel and H. K. Angeyo NORM and associated gamma radiation field in the coltan mining areas of Rwanda. Paper presented at the 3rd African IRPA Congress held at Laico Hotel, 13th to 17th September, 2010.
- L. Ntihakose, J. P. Patel, H. K. Angeyo and D. M. Maina Radiometric characteristics of artisanal coltan ore extraction and processing in Rwanda. Paper presented at the 3rd African IRPA Congress held at Laico Hotel, 13th to 17th September, 2010.
- B. Mulwa J. P. Patel and D. M. Maina. Radioactivity and dose assessment of limestone samples from Kitui south limestone deposits-Kenya. Paper presented at the 3rd African IRPA Congress held at Laico Hotel, 13th to 17th September, 2010.
- B. K. Nyilitya, D. M. Maina, L. W. Njenga and J. M. Onyari. Bioavailability of essential trace elements in some traditional diets consumed in the eastern parts of Kenya as determined using the EDXRF technique. Paper presented at the 3rd African IRPA Congress held at Laico Hotel, 13th to 17th September, 2010.



4.00 College of Biological and Physical Sciences

CENTRE FOR BIOTECHNOLOGY AND BIOINFORMATICS (CEBIB)

The Centre for Biotechnology and Bioinformatics (CEBIB), located at the College of Biological and Physical Sciences, was founded in 2005 as 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 today include the participation of visiting academics from international links and collaborating institutions. CEBIB currently houses four advanced modern laboratory facilities that comprise three Biotechnology Laboratories and a state of the art Bioinformatics Laboratory.

Student enrolment

In 2010, the Centre admitted 15 students.

International students

In 2010, the Centre enrolled two international students drawn from Uganda and Botswana. The Centre also played host to an international student on internship from the University of Lubeck in Germany.

Graduands

CEBIB graduated the first postgraduate student with an MSc in Bioinformatics from a Kenyan University in 2010.

Research activities

Multiple research activities covering agricultural, health, industrial and environmental biotechnology were carried out at CEBIB in 2010, these studies were implemented both within CEBIB laboratories and in laboratories of collaborating institutions through national and international links.

Outreach activities.

In 2010, the Centre was involved in an outreach program to create public knowledge and awareness of biotechnology in Kenya. 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. The program was carried out in the provinces and targeted farmers, extension staff, policy makers, seed companies, and the media. By the end of 2010, 994 participants had been sensitized on biotechnology and biosafety with special regard to GMOs.

Collaboration and links

In 2010, the Centre was involved in collaboration with various institutions including the : Welcome Trust, University of Manitoba, African Biomedical Centre (ABC) Ben Gurion University, Denver Foundation, University of Colorado and University of Melbourne. Part of such collaboration included student/staff exchange, provision of equipment, use of collaborator laboratory, and research grant and support for students.

Publications

Ochieng J. W. et al., (2010). Two sympatric spotted gum species are molecularly homogeneous. conservation genetics 11 (1): 45-56.

Papers presented

- Ochanda J.O. : Introduction to potential areas of Collaboration and Communication Strategies between Researchers and Potential User Community of GMO Vectors; Report on Meeting 1: Technical Consultations on correct Status and Planning Future Development, WHO-HQ, Geneva, Switzerland, 4-6 May 2009.

SCHOOL OF BIOLOGICAL SCIENCES

Introduction

The School of Biological Sciences (SBS) is set in a serene environment at Chiromo Campus, located some 2 km from Nairobi city. In 2010, the School offered training in four well-structured undergraduate degree programmes, as well as M.Sc. and Ph.D. programs in over 12 specialty areas of biological science. The programmes were structured into the following nine thematic areas: ethno-biology 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 and production. The School was involved in different types of researches within the biological arena and had links with several local and international institutes.

Undergraduate Programmes Offered

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.

The School was involved in different types of researches within the biological arena and had links with several local and international institutes. In addition, it offers services to the general public such as consultancies in various areas, identification of plants and animals, and the sale of biological products, such as seedlings, mice, insects, etc.

Enrolment

B.Sc. Bio. 133

B.Sc. Microbio.and micro-techno. 198

B.Sc. Environ. Conserv. & Nat.Res.Mngt. 151

MS.c 74

Ph.D 26

International student component

In 2010, the School had five international students in its programmes.

Publications

- Githinji E.K., Irungu L.W., Tonui W.K., Rukunga G.M., Mutai C., Muthaura C.N., Lugalia R., Gikandi G., Wainaina C.W., Ingonga J.M. and Wanjoya A. Invitro effects of warburgia ugandensis, psidia punctulata and chasmenthera depondens on leishmania major promastigotes. African Journal of Traditional CAM, 2010, 7(3):264-275.
- Imbahale, S.S., U. Fillinger, A. Githeko, W.R. Mukabana, W. Takken, (2010), An exploratory survey of malaria prevalence and people's knowledge, attitudes and practices of mosquito larval source management for malaria control in western Kenya. Acta Tropica 115: 248–256
- Makoude P.A., Akunda E.M., Nyamongo D.O., Hay F.R. and Oeba V. (2010) Nature of Dormancy in seeds of sesamum latifolium. Seed Science & Technology, 2010, 38:311-319.
- Mukabana, W.R., Olanga E.A. and Knols B.G.J, (2010), Host-seeking behaviour of Afrotropical anophelines: field and semi-field studies. In: Ecology and control of vector-borne diseases 2: Olfaction in vector-host interactions" (W. Takken and Bart G.J. Knols, eds.). Chapter 8, pp 181-202. Wageningen Academic Publishers.
- Okoth S. A. and E. Siameto, (2010). Suppression of Fusarium spp. in maize and beans by soil fertility management. Journal of Yeast and Fungal Research.Vol. 1(2); 35-43.
- Okumu F.O., Killeen G.F., Ogoma .S, Biswaro L., Smallegange R.C., Mbeyela E., Titus E., Munk C., Ngonyani H., Takken W., Mshinda H., Mukabana W.R., Moore S.J., (2010), Development and field evaluation of a synthetic mosquito lure that is more attractive than humans. PLoS One. 5(1):e8951.

- Okumu, F., Biswaro, L., Mbeleyela, E, Killeen, G.F., Mukabana, R., S.J. Moore (2010), Using Nylon Strips to Dispense Mosquito Attractants for Sampling the Malaria Vector *Anopheles gambiae* s.s. *Journal of Medical Entomology* 47(2): 274 – 282.
- Olanga, EA., Okal, M., Mbadi, PA., Kokwaro, ED, and WR Mukabana, (2010), Attraction of *Anopheles gambiae* to odour baits augmented with heat and moisture, *Malaria Journal*, 9, 6.

Conference Proceedings

- Ogony D. Aspects of the reproductive biology of *Labeo cylindricus* Peters 1852 (Pisces: Cyprinidae) in River Ragati, Sagana, Kenya. Conference Proceedings. 2nd International Conference on Aquatic Research for Development. Kenya Wildlife Training Institute, Naivasha, Kenya. 16th – 19th November 2010
- Muthumbi A. Integrated salt-artemia production and mariculture in a mangrove wetland at Kenya coast. Conference Proceedings. 2nd International Conference on Aquatic Research for Development. Kenya Wildlife Training Institute, Naivasha, Kenya. 16th – 19th November 2010
- Arrumm, A. Meristic and morphometric variation between endangered tilapiine fishes *O. Esulentus* and *O. Variabilis* and the exotic tilapias *O. Niloticus* and *O. Leucostictus* in Lake Kanyaboli, Kenya. Conference Proceedings. 2nd International Conference on Aquatic Research for Development. Kenya Wildlife Training Institute, Naivasha, Kenya. 16th – 19th November 2010.
- Sigana, D. Growth and fecundity in *Mugilidae* from Kilifi Creek, Kenya. Conference Proceedings. 2nd International Conference on Aquatic Research for Development. Kenya Wildlife Training Institute, Naivasha, Kenya. 16th – 19th November 2010 - Poster presentation.

Graduands

B.Sc. (Biology)	17
B.Sc. (Microbiology & Biotechnology)	22
B.Sc. (Environmental Conservation & Natural Resource Management)	4
MSc	22
Ph.D	5

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 the restructuring from the then departments of mathematics at CBPS and CEES. It has 44 teaching staff and 6 non-teaching staff with about 1500 students each year including more than 40 postgraduate students. Service courses to other students exceed 1500.

In 2010, the School offered specialized training in pure mathematics, applied mathematics, statistics, biometry, actuarial science, modeling and operations research.

The School invites outside speakers to present seminars to staff and students as well as arranging internal research seminars. The National Group of the International Biometric Society (IBS-Gke) has its secretariat in the school and the Group holds its monthly seminar meetings in the school. The school is also the current overall coordinating centre in the East African Universities Mathematics Programme (EAUMP) that aims at promoting teaching and research in Mathematics in the region in collaboration with the International Science Programme in Mathematics ISPM based in Uppsala, Sweden.

The School's organizational structure comprised four divisions. These include the division of pure mathematics, applied and industrial mathematics, statistics and operations research and actuarial and financial mathematics.



Visitors and students taken through projects developed by the School of Computing & Informatics.

Outreach activities

The School invited outside speakers to present seminars to staff and students as well as arranging internal research seminars. The National Group of the International Biometric Society (IBS-Gke) has its secretariat in the School and the Group held its monthly seminar meetings in the School. The School was also the current overall coordinating center the East African Universities Mathematics Programme (EAUMP) that aims at promoting teaching and research in Mathematics in the region in collaboration with the International Science Programme in Mathematics ISPM based in Uppsala, Sweden.

Enrollment

In 2010, the School enrolled the following number of students:

B.Sc. Actuarial	459
B.Sc. Mathematics	74
B.Sc. Statistics	114
MS.c	51

Graduands

In 2010, the School graduated the following graduands

Ph.D.	2
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M.Sc.	28
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B.Sc.	79
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Research

Members of the school 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.

Publications

- Maingi, D.M. The application of the method of Horace to get number of generator for an ideal of general points in p_4 , International Journal of Algebra, Vol 4. 2010 no. 477 – 500. (att).
- J.A.M. Ottieno , M. M. Manene . T.N. Achia, The unrestricted Dorfman – Sterrett Group screening design without error in decision. ICASTOR Journal of Mathematical Sciences, Vol. 4, No. 1 (2010) 69-82.
- A.W. Wafula , J.M. Khalaghai and G. Pokhariyal (2010) Norm properties of operators who's norms are Eigenvalues. African Journal of Mathematics and Computer Science research Vol. 3(7).

Conference Papers

- Maingi D. Algebraic and complex geometry. Paper presented at the Mathematics Conference in Hyderabad, India between August 19, to August 27th, 2010
- G.O.Weke. Real risk weighted pricing model. Paper presented at the 1st African International Business and Management Conference (AIBUMA) on Knowledge and Innovation Leadership for Competiveness. ' Nairobi, Kenya. 25- 27th August, 2010 entitled

Linkages

In 2010, the School established new linkages with :the Ministry of Higher Education Science and Technology (MOHEST), Institute of Research and Development (IRD)

SCHOOL OF PHYSICAL SCIENCES

Introduction

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, microprocessor and instrumentation, astronomy and astrophysics, geology, meteorology.

Enrollment

In 2010, the School enrolled 1484 students in its undergraduate programmes. At the same time the School enrolled 45 students in masters program and 13 PhD candidates.

Linkages

Through the department of chemistry, the School maintained its links with Green Africa Foundation in Biodiesel research, Nairobi River Basin Project for small scale funding agreement, and the Africa Knowledge Transfer Partnership (AKTP)- British

Council.

Through the department of physics, the School had linkages with universities in Sweden, Japan and Italy in addition to the Swedish Air Force Research Laboratory/Institute for Scientific Research

Through the department of meteorology, the School maintained links with: Global Lightning Network (GLN) and the Kenya Meteorological Department (KMD).

Through the department of geology the School had linkages with KENGEN, Department of Mines and Geology and Regional Centre for Mapping of Resources for Development(CMRD)

Research

Through the department of chemistry the School was involved in research activities including biosorption of organic dyes using spent brewery grains, determination of fluoride and de-fluoridation of borehole water in some selected sites in Syokimau, and chemical analysis and investigation of the antifungal activity of the plant species *ocium grastissiumum*.

Through the department of geology, the School was involved in research activities that included: integrated geophysical study of Lake Bogoria basin, Kenya: Implications for geothermal energy prospecting, groundwater recharge of confined aquifers in the upper Ewaso Ng'iro North River Basin, Kenya.,

Through the department of physics the School was involved in research including applied electronics for environmental monitoring and management systems; applied nuclear and radiation physics for material analysis and disease diagnosis.

Through the department of meteorology the School was involved research activities that included: the use of remote sensing product to monitor the meteorological drought in East Africa, Assessment of the predictability of rainfall over Kenya during the period July to December using the high resolution regional model, and association between climatic variability and Malaria risk in Tanzania.

Graduands

In 2010, the School graduated the following numbers:

B. Sc.	15
B. Sc. Industrial Chemistry	22
B. Sc. Meteorology	29
B. Sc. Geology	25
B. Sc. Geology (By Distance)	3
B. Sc. Microprocessor Tech. And Instrumentation	4
B. Sc. Distance Learning	2
Pgd Meteorology	7
M.Sc Meteorology	6
M. Sc. Agrometeorology	1
M. Sc. Chemistry	9
M. Sc. Analytical Chemistry	1
M. Sc. Environmental Chemistry	3
M. Sc. Geology	7
M. Sc. Hydrology	1
M. Sc. Physics	2
Ph.D	4

International student component

In 2010, the School had 31 foreign students drawn from Rwanda, Botswana, Tanzania, Namibia, Uganda, Southern Sudan and the Congo.

Papers presented

- Ongoma, V. Effects of urbanization on climate of Nairobi city. Paper presented at the 3rd National Conference on Dissemination of Research Results and Exhibition of Innovations held at Kenyatta International Conference Centre (KICC), Nairobi, Kenya. 3rd – 7th May 2010
- J.M. Ininda Making the best of climate: adapting agriculture to climate variability. Paper presented at Agricultural Extension Officers' Training Workshop. 15-17 December 2010, T-TOT Hotel, Machakos.
- Musembi RJ, Aduda BO, Mwabora JM, Rusu M, Konstantinos F and Lux-Steiner MC, "Transport mechanism analysis of TiO₂/Pb(OH)_xSy/PEDOT:PSS eta solar cell modified with In(OH)_xSy buffer layer", Conclave of Afro-Asia Young Scientists, 11 – 13 February 2010, Jakkur, Bangalore, India
- Baki P, "The Nairobi MAGDAS Station: Study of the night time F-Region current using MAGDAS and CHAMP satellite data", International Space Weather Initiative Meeting, 6 – 10 November 2010, Helwan University, Egypt
- Angeyo HK and Golloch A, "Characterization of the sliding spark as a novel plasma source for trace simultaneous emission, absorption and fluorescence spectroanalysis and imaging non-conducting materials and dielectric surfaces", Joint ICTP/IAEA workshop on dense magnetized plasma and plasma diagnostics, 15 - 26 November 2010, Trieste, Italy
- Bett A, Karibe D, Gitau E and Mjomba ACK, "Embedded distributed platform", 12th Real Time Linux Workshop, 20 – 29 October 2010, Nairobi, Kenya
- Muiva M, Sathiaraj TS and Mwabora JM, "Properties of spray pyrolysed In₂Se₃ chalcogenide glass thin films", Rise Forum and Students Conference, 4 – 8 October 2010, Johannesburg, South Africa
- Angeyo HK and Golloch A, "Characterization

of the sliding spark plasma source for trace spectroanalysis of dielectric matrices”, Joint ICTP-IAEA Workshop on Dense Magnetized Plasma and Plasma Diagnostics, 15-26 Nov. 2010, Trieste, Italy.

- Angeyo HK, et al., “Status and prospects in research infrastructure development in nuclear analytical spectrometry and radiometric instrumentation methodologies for environmental radiation and associated radioactivity measurements and modelling studies in Kenya”, IAEA Technical Meeting on Establishing a Network of Laboratories in the Field of Nuclear Instrumentation for Environmental Monitoring and Related Applications, Krakow, Poland, 27-30 Sept 2010.
- Achola, SO, Patel .JP, Mustapha AO and Angeyo HK, “Natural radioactivity and associated radiation exposure characteristics of the new high background radiation area of Lambwe East, Southwestern Kenya”. 3rd African Regional Conference of Radiation Protection Association, Nairobi, 12-17 Sept., 2010.
- Angeyo HK, Ogwari PO, Mustapha AO and Mangala JM, “Trace element profiles of geothermal field matrices associated with a high background radiation area analyzed using chemometrics assisted XRF spectroscopy”. 3rd African Regional Conference of Radiation Protection Association, Nairobi, 12-17 Sept., 2010.
- Angeyo HK, Ogwari PO, Mustapha AO and Mangala JM, “Geostatistical modeling of a high background radiation area geothermal field matrix trace element signatures”. 3rd African Regional Conference of Radiation Protection Association, Nairobi, 12-17 Sept., 2010..
- Odumo BO, Mustapha AO Patel JP and Angeyo HK., “Radiological survey and assessment of associated activity concentration of naturally occurring radioactive materials (NORM) in the Migori artisanal gold mining belt of southern Nyanza, Kenya”. 3rd African Regional Conference of Radiation Protection Association, Nairobi, 12-17 Sept., 2010.
- Masinde ST and Angeyo HK “Gamma-Ray spectrometric determination and multivariate analysis of radionuclide fluxes in shore sediment at Port Victoria, Kenya”. 3rd African Regional Conference of Radiation Protection Association, Nairobi, 12-17 Sept., 2010.
- Ntihabose L, Patel JP and Angeyo HK, “NORM and associated gamma radiation field in the coltan mining areas of Rwanda”. 3rd African Regional Conference of Radiation Protection Association, Nairobi, 12-17 Sept., 2010.
- Mulwa J, Barongo J, Fairhead D, Mariita N and Patel J, “Integrated geophysical study of lake Bogoria basin, Kenya: implications for geothermal”, Proceedings World Geothermal Congress 2010, 25-29 April 2010, Bali, Indonesia
- Olwendo JO, Baki P, Mito C and Doherty P, “Elimination of superimposed multipath effects on scintillations index on solar quite ionosphere at low latitude over the Kenyan airspace from a lone positioned SCINDA system”, Proceedings of the 23rd International Technical Meeting of the Satellite Division of the Institute of navigation (ION GNSS 2010), 21-24 September 2010, Portland, Oregon, USA, pp. 386-392
- Muiva M, Sathiaraj TS and Mwabora JM, “Optical, electrical and structural properties of Se-In-Be chalcogenide glasses: Phase change materials for data storage,”, Proceedings of the African Materials Science and Engineering Network (AMSEN) Workshop, 27-29 January 2010, Windhoek, Namibia, pp.15-18

Publications

- Oludhe, Ogallo, Ambenje, Atheru and W. Gitau: Extreme rainfall in November 2009 in Eastern Africa. Pp. 154-156; Bulletin of the American Meteorological Society Vol. 91, No. 7, July 2010
- P.M. Shiundu, G.N. Kamau, P.G. Muigai and F.B Mwaura (2010): Correlation between dissolved oxygen and total dissolved solids and their role in the eutrophication of Nairobi Dam, Kenya, International Journal of BioChemPhysics, 18, p.37.
- P.M. Shiundu, G.N. Kamau, P.G. Muigai and F.B. Mwaura (2010): Phosphorous as the limiting nutrient element for the eutrophication of

Nairobi Dam, Kenya, International Journal of BioChemPhysics, 18, p.47.

- A. O Yusuf, D.M. Kituyi, A.M. Salim and A. Onditi (2010): Environmental effects of selected chemical and physical geothermometers at Olkaria Geothermal Power Plant, International Journal of Sustainable Development 3, p.14.
- M. Immaculate, B. Priscilla, A. Richard and I. Emanuel (2010): Synthesis, characterization of sulfonated polyanilines and application in construction of a diazinon biosensor, International Journal of Polymeric Materials.
- F.D.O. Oduor, I.O Jumba, J.K Keter, W. Chemuku and J.K. Lelon (2010): Assessment of physical properties of gum Arabic from Acacia Senegal Varieties in Baringo District, Kenya, African Journal of Plant Science, 4(4) p.95 - 98.
- Consul Opdyke ND, Kent DV, Huang K, Foster DA and Patel JP(2010), "Equatorial paleomagnetic time-averaged field results from 0–5 Ma lavas from Kenya and the latitudinal variation of angular dispersion", Geochemistry Geophysics Geosystems, 11, Q05005, doi:10.1029/2009GC002863
- Rahbar N, Aduda BO, Zimba J, Obwoya SK, Nyongesa FW, Yakub I and Soboyejo WO (2010) "Thermal shock resistance of a Kyanite-Based (Aluminosilicate) Ceramic", Experimental Mechanics, Published Online, 27 April 2010
- Olwendo JO, Baki P, Mito C and Doherty P (2010), "Effects of TEC Disturbances on satellite tracking using GPS -Scinda receiver over the Kenyan space", Nigerian Journal of Space Research, Nigerian Journal of Space Research, 7, pp 73 – 85

SCHOOL OF COMPUTING AND INFORMATICS

Introduction

The School was formally established in 1977 as the Institute of Computer Science (ICS). 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 SCI.

The School of Computing and Informatics (SCI) takes its name from the core competencies that it seeks to nurture: Computing, to cover the theory and science of computation and Informatics to exemplify the practical outworking of this theory in technology and application. SCI therefore is a regional leader in research, research and development (R&D) and advanced education in computing. It was the first to offer degree, postgraduate diploma and postgraduate degrees in computer science in the region.

Enrolment

Undergraduate	314
M.Sc Computer science	81
M.Sc Information systems	68
Ph.D	15

Graduands

In 2010, the School graduated 123 graduands as follows:

Diploma Computer Science	53
B.Sc. Computer Science	31
PGDip. Information Systems	1
M.Sc. Information Systems	36
Ph.D.	1

Research Projects

In 2010 the School was involved in research activities including the following: regional mobile applications lab with World Bank funding; poverty and information & communication technology systems in urban and rural eastern-Africa (picture Africa); ICT and local governance; ICT sector performance review - evidence based ICT policy making and regulations with support of IDRC.;

Publications

Waiganjo P. and W, Omwenga (2010) A Framework for distributed learning objects repository: in developing countries. Amazon Publishers.

Papers presented

Nganga J W (2010) IGBO Archival Dictionary Project. Paper Presented at a workshop held in March, 2010 in Nigeria.

Collaborating Partners

Title	Partners
Research and Development Cooperation	Kenya Data Networks (KDN)/SCI
Open Source Model E-learning Project	Google /UON
MIT's-Africa Internet Technology Initiative (AITI) Summer programme	UON/MIT
Subcontracting Capacity Building Project	Nokia Research Africa (NoRA)/SCI
UNESCO – Hewlett Packard Project	UNESCO, University of Nairobi & Hewlett Packard
Bournemouth/UoN Collaboration	Bournemouth University & University of Nairobi
Canadian Government Scholarship	Simon Fraser University, DFAIT
University of Cape Town, South Africa	(Canadian Government), SCI Hasso Plater Institute
Mobile Learning for Rural Pupil	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	SCI/Nokia Research Centre Africa/Helsinki Inst. of Information Technology
Entrepreneurship Business Plan Training	Technoserve (TNS)/Nokia

Consultancies and Outreach

UNITID Fellowship health Information	Center for Disease control
Mobile application development course for Spurring technological growth	UON/Google education Innovation initiative
E-Content Development	Longhorn Publishers
Developing a Business plan for center of Excellence	Kenya ICT Board
ICT Integration I Education	Ministry of Education
E-Payment system	Nairobi City Council
Strategic plan	Crater Lake Resort

Selecte



H.E. Chen Zhili, Vice-Chairperson of Standing Committee of the National People's Congress of China entertained by the University Choir during her inaugural visit to UoN.



Chancellor Dr. Joseph Wanjui receives the performance contract trophy from the Vice-Chancellor, Prof. George Magoha.



Students in an environmental conservation effort at Mau Complex last year.



WTO Deputy Director General, Harsha Singh, welcomes University of Nairobi through the Chair holder, to the WTO chairs programme.



IMF, Managing Director Dominique Strauss-Kahn (2nd left) with top government officials when he delivered a lecture at the University of Nairobi.



Prof. Elizabeth Ngugi receives MDG award for 2010 in recognition of UoN's efforts on HIV/AIDS.

ed 2010 PICTORIAL



UNDP, UoN, and government representatives during the launch of the Global Human Development Report in October 2010.



Dr. Madeleine Albright and Senator, Thomas Daschle delivered a lecture on governance at UoN, Taifa Hall, in August 2010.



Prof. Shem Wandiga, and Prof Jacob Ogweno Midiwo, Professors of Chemistry who were admitted as a fellows of the Royal Society of Chemistry.



UoN, and Hydro Eco officials with Israel Ambassador, Jacob Keidar, formally sign the MOU to signal the revival of the Kibwezi farm.



2010 East African Breweries Limited (EABL) career recruitment day at UoN.



5.00 College of Education and External Studies

CENTRE FOR OPEN AND DISTANCE LEARNING



Introduction

The Centre for Open and Distance Learning was established in 2005 to enable the internal schools and faculties of the university to enrich and diversify their delivery by the use of open and distance learning modes.

Programmes Offered

The Centre collaborated with the School of Business, School of Continuing and Distance Education, School of Mathematics, School of Physical Sciences, School of Biological Sciences and Faculty of Arts in offering degrees in those respective Schools and Faculty using self-instructional materials in both print and e-learning modes. The operations involved presentations to groups of writers and students and one to one consultations.

Enrolment

Enrolment in the degree programmes in the respective Schools and Faculty are as given below:-

Bachelor of Commerce	-	167
Bachelor of Arts	-	160
B Sc	-	55

Capacity Building

The Centre trained 233 lecturers in instructional materials development in print and e-learning modes; these

were mostly drawn from Schools of commerce, continuing and distance education, mathematics, physical sciences, biological sciences and faculty of arts.

The Director Mr. J. O. Odumbe was a consultant on the Project Planning and Implementation Committee on the establishment of the Open University of Kenya.

The Centre also provided consultancy services to the Cooperative College of Kenya on developing distance learning materials for certificate and diploma in cooperatives courses.

SCHOOL OF CONTINUING AND DISTANCE EDUCATION

Introduction

For over 50 years the School of Continuing and Distance Education (SCDE), previously the Faculty of External Studies, has been the leader in Open and Distance Learning (ODL) in Kenya. The School's activities date back to 1953 when the Department of Extra Mural Studies was first founded in Makerere with a resident tutor for Kenya.

The School offers academic programmes using ODL methods which is a convenient mode of teaching and learning that does not constrain the student to be physically present in the same location as the instructor. The ODL teaching methods involve the extending of learning, or delivering of instructional resource-sharing opportunities to locations away from a classroom, building or site by using print, video, audio, computer, multimedia communications, or some combination of these with other traditional delivery methods such as face-to-face.

Students pursuing the various courses in the School get learner support services from a well established network of Extra Mural Centres spread throughout the country. Currently there are 12 Centres located in Mombasa, Lokichogio, Kisumu, Garissa, Kisii, Nakuru, Nairobi, Nyeri, Meru, Kapenguria, Kakamega and Thika.

Enrolment

PhD in Distance Education	4
M. A. in Project Planning and Management	799
Master in Distance Education	41
Post graduate diplomas	45
Bachelor of Education (Arts)	5,328
Bachelor of Education (Science)	376
Diplomas	2327
Certificate courses	1955

International student component

In 2010, the School had 5 foreign students drawn from Malawi, Sudan, Tanzania and Rwanda

International links and collaborations

In 2010, the School maintained and initiated linkages with the following organisations: PanAf Research Agenda on the pedagogical integration of ICT in education in Africa; Deutscher Volksochschul Verband (DVV) – a German Partnership which provides scholarships for adult education programmes; Commonwealth Youth Programme a partnership with the Commonwealth to support diploma in youth and development work; Open University of Tanzania; Weitz Centre for Development Studies, Rehovot, Israel

Publications

Mboroki, G., (2010) Methods of Instruction: A Guide for Teachers and Teacher Educators, Kijabe Printing Press, Nairobi, Kenya

Graduands

Postgraduate

Ph.D in Distance Education		1
M. A. in Project Planning and Management	-	305
Master in Distance Education	-	16
PGD in Project Planning and Management	-	15
PGD in Human Resource Management	-	11
PGD in Education	-	6
Bachelor of Education (Arts)	-	933
Bachelor of Education (Science)	-	38
Diplomas	-	1171

E- LEARNING CENTRE

Introduction

The e-Learning Centre is a newly established Unit of the University of Nairobi whose mandate is to implement the University's strategic plan by facilitating greater access and enhancing the quality of education through the use of e-learning technologies in teaching and learning.

The functions of the Centre are to:

- i) Create awareness and sensitize the University community on e-Learning services through workshops, seminars, conferences and public lectures.
- ii) Train users in all Departments in the general use of educational technologies, including operation of e-Learning equipment and software to facilitate integration and use of ICTs in all educational programmes.
- iii) Develop capacity across all Departments in Instructional Design, Graphic and Multimedia, and Management of the e-Learning portfolio.
- iv) Develop e-Content (digital content) and process and package into audiovisual materials such as CD-ROMs, VCDs and DVDs.
- v) Collaborate with the Centre for Open and

Distance Learning (CODL) in the development and delivery of learning content.

- vi) Encourage use of m-Learning to facilitate access to study materials via mobile phones.
- vii) Support students to access digitized course materials on the University's e-Platform and the Library.
- viii) Use e-Learning as a means of creating and increasing equity within programmes.
- ix) Carry out research and evaluation of the utilization of e-Learning services.

Courses offered

The Centre, in collaboration with the African Virtual University, offered two certificate courses targeting both pre-service and in-service teachers who mainly teach science subjects. The courses were: ICT Basic Skills course. This was offered in three modules of 120 hours each leading to a certificate in ICT Integration in Education: This was an advanced certificate course that focused on multimedia design and applications. It was covered in 120 hours.

Sixty teachers were enrolled in the certificate courses.

Programmes actively using e-Learning

The following programmes are actively using the University e-learning platform:

M.sc. Information Systems; M.sc. Computer Science; M.sc. Agricultural Resource Management ;M.sc. Biometry ;M.sc. Social Statistics; B.sc. In Mechanical Engineering;

B.sc. Agriculture, Nutrition, Food Science, Range Management, Horticulture, Agribusiness, Agric. Education.

Publications

Kidombo H. J. (2010), 'An African Perspective of Human Resource Management Orientation: Commitment, Organizational Attributes, Performance', VDM, Germany

Gakuu C. M. and Kidombo H. J. (2010) 'Pedagogical Integration of ICT in Selected Kenyan Secondary schools: Application of Bennetts Hierarchy', Journal of Continuing, Open and Distance Education, Vol. 1, Issue 1, 2010

Papers presented

Kidombo H. , participated in the 5th International Conference on ICT for Development, education and Training, Lusaka, Zambia and presented a paper on "Cross-cutting issues in ICT usage among male and female teachers in Kenya and Uganda" 26th – 29th May 2010

SCHOOL OF EDUCATION

The School of Education is one of the two Schools constituting the College of Education and External Studies. It comprises of 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 of Education were geared towards preparing teachers and other educational personnel at all levels starting from Kindergarten to University.

Student Enrollment

In 2010, the School enrolled the following number of students:

B.Ed (Arts)	1982
B.Ed (Science)	831
B.Ed (ECE)	101
BSc (Agri.Educ& Ext)	57
M.Ed Measurement	14
M.Ed Foundations	93
M.Ed ECE	120
M.Ed Admin & Planning	596
Ph.D	77

International Student Component

In 2010, the School had eleven international students from Turkey:

Research Interests and International Links and Collaborations

- In the year just ended the School collaborated with the following :University of Juba-Southern Sudan for pre-service teacher training of primary school teachers and capacity building of regional training institutes; Linkoping University, Sweden for programme exchange and joint research; University of Alberta and St. Francis Xavier for partnership; Bridgewater State University.

Publications

- Inyega, J.O, Thompson, M, Butter M.B and Inyega, H.N. (2010) In-Service teachers' classroom practices and experiences. The Fountain, a Journal of the School of Education. Nairobi 4 (1)
- Kibui, A.W(2010) The proficiency in English vocabulary and reading comprehension in Kenyan schools learners. The Fountain, a Journal of the School of Education. Nairobi 4 (1)
- Rambo, C.M, P.A. Odundo (2010) Factors that influence learners' perception on affordability of the distance learning programme at the University of Nairobi, Kenya .The Fountain, a

- Journal of the School of Education. Nairobi 4 (1).
- Ngugi, M.N.(2010) The implementation of the universal primary education (UPE) policy in Kenya (1974 to 2000). The Fountain, a Journal of the School of Education. Nairobi 4 (1).
 - Wanjala, G and S.B.Luchu (2010) Factors influencing implementation of the integrated English curriculum in public secondary schools in Kanduyi division, Bungoma south district, Kenya. The Fountain, a Journal of the School of Education. Nairobi 4 (1).
 - Gakunga, D.K(2010) Challenges of continued civil strife on the education system in Somalia. The Fountain, a Journal of the School of Education. Nairobi 4 (1).
 - Kizito ,A and B. A. Ondigi(2010) An analysis of the factors that influence teacher attrition in both private and secondary schools in Kisumu city, Kenya. The Fountain, a Journal of the School of Education. Nairobi 4 (1).
 - Nyaga, G(2010) The status of drug addiction rehabilitation programmes in Kenya: a case of Asumbi treatment centre. The Fountain, a Journal of the School of Education. Nairobi 4 (1).
 - Oketch Oboth, J.W.B(2010) Stress as a health issue among university students: implications for counseling services. The Fountain, a Journal of the School of Education. Nairobi 4 (1).
 - K'Odhiambo, A.K (2010) Metaphysical influence on time-keeping by teachers for better performance of examinations in Kenya. The Fountain, a Journal of the School of Education. Nairobi 4 (2).
 - Wanjala, G.(2010) An Assessment of the Contribution of Education to Entrepreneurial Development in Kenya: The Case of the Kenya Institute of Management (KIM) The Fountain, a Journal of the School of Education. Nairobi 4 (2).
 - Munyoki, J.M (2010) The Influence of Technology Transfer on Organizational Performance: A Study of Medium and Large Manufacturing Firms in Selected Industries in Kenya. The Fountain, a Journal of the School of Education. Nairobi 4 (2).
 - Odundo, P.A and Rambo, C.M.(2010) Financing secondary education in Nairobi province through the constituency bursary fund: accountability, coping with deficits and effectiveness of its management. The Fountain, a Journal of the School of Education. Nairobi 4 (2).
 - G.Wanjala & R. Okinda The implications of decentralized teacher recruitment in public secondary schools in Kisumu district, Kenya. The Fountain, a Journal of the School of Education. Nairobi 4 (2).
 - Okoth, U.A.(2010) An analysis of students' participation and attitudes towards environmental education in Siaya district, western Kenya. The Fountain, a Journal of the School of Education. Nairobi 4 (2).
 - Wasike, M.N. (2010) The politics of secondary school education in western Kenya: factors behind the establishment of Friends' School Kamusinga between 1950 and 1957. The Fountain, a Journal of the School of Education. Nairobi 4 (2).
 - A. A. Telkle M. & S.M. Nyenze (2010) The effects of witchcraft practices on education in public secondary schools in mwingi district, Kenya. The Fountain, a Journal of the School of Education. Nairobi 4 (2).

Consultancies

Dr. Ibrahim Khatete; was Lead Researcher (Rift Valley) during Evaluation of School Infrastructure Implementation Projects in Primary Schools in Kenya – By Ministry of Education 25th October, - 6th November, 2010.

Dr. Genevieve Wanjala worked with the Kenya

Bureau of Standards Technical Committee for Secondary Education to produce standard on safety for the Secondary School level in Kenya.

Papers Presented

- Dr. Grace Nyaga Co-presented a paper with Dr. Loise Gichuhi and Dr. M. Mendenhall, at Chicago, USA in the Comparative and International Society Conference (CIES); Innovation of Education in Emergencies Programme between University of Nairobi and an NGO International Rescue Committee (IRC).
- Dr. Ibrahim Khatete; Education Management Society of Kenya Workshop at Migori Teachers Training College 12th – 14th February, 2010, Paper Title: “Influence of Ban of Corporal Punishment in the Level of Student Discipline in Secondary Schools in Kenya”.
- Dr. Jeremiah Kalai; Education Management Society of Kenya Workshop at Migori Teachers Training College 12th – 14th February, 2010, Paper Title: “Determinants of Secondary School Head Teachers’ Management Practices and their

Implications for in-service Training in Kitui and Machakos Districts, Kenya”.

Number of Graduands

In 2010 the School graduated 666 candidates broken down as follows:

Diploma	22
Bachelors	464
PGDE	3
M.ED	175
Ph.D	2

Outreach

The Department of Educational Administration and Planning through the Educational in Emergencies project organized the following: Field visit to Dadaab Refugee Camp for three (3) members of the School from 11th – 13th October, 2010; A workshop on Sexual and Gender based Violence, attended by 15 members of staff 26th – 30th July, 2010.



6.00 College of Health Sciences

SCHOOL OF MEDICINE

The School of Medicine was started on 3rd July, 1967 and was officially inaugurated on 7th March, 1968. The clinical departments of the School are situated at Kenyatta National Hospital while the pre-clinical departments are housed at the Chiromo campus.

The School offers courses of study leading to award of degrees of bachelor of medicine and bachelor of surgery, bachelor of science in biochemistry, bachelor of science in medical physiology, bachelor of science in human anatomy, postgraduate diplomas, master of medicine, master of science, doctor of philosophy (Ph.D), and doctor of medicine (M.D).

The School is made up of the departments of human anatomy, medical physiology, biochemistry, community health, clinical medicine and therapeutics, surgery, paediatrics and child health, obstetrics and gynaecology, human pathology, medical microbiology, psychiatry, orthopaedic surgery, diagnostic imaging and radiation medicine, and ophthalmology.

Courses offered

In 2010, the School offered four undergraduate programmes in biochemistry, human anatomy, medical physiology, and medicine. In addition, the school offered diploma and postgraduate diplomas in clinical audiology & public health otology, psychotrauma, social work, and substance abuse. At postgraduate level, the School offered masters degrees in public health, medicine and doctorate degrees.

Enrollment

In the year under review, the School enrolled 2236 students at both undergraduate and postgraduate levels.

Graduands

In 2010, the School had 440 graduands as follows:

Dip. In Clinical Audiology & Public Health Otology	4
Bachelor of medicine	266
Bachelor of Science in Biochemistry	68
Bachelor of Science in Human Anatomy	06
Bachelor of Science in Medical Physiology	07
Master of Medicine.	86
Ph. D	03

Outreach activities

The School through the department of ophthalmology conducted eye clinics in Garissa, Litein, and Kitui.

HIV awareness meetings with the “ I choose life” group was facilitated by faculty, the meetings were attended by over 2250 students. Again during the World Aids Vaccine Day – KAVI offices were at Kangemi, over 600 students were in attendance.

Publications

- Sinkeet S, Ogeng’o J, Saidi H, Awori K, Topography of the posterior communicating artery in a Kenyan population. *Ann. Afr. Surg* 2010; 6: 37-40 *Folia Morphol* 2010;69,4:241-245
- Ogeng’o J A, Malek S, G.Kiama, Regional differences in Aorta of goat (*Capra hircus*). *Folia Morphol* 2010, 69: 253-257
- Ogeng’o J A, B.O.Olubu P.M.Gitonga, J.K.Munguti, Branching pattern of Aortic arch in a Kenyan population. *J Morphol Sci.* 2010;27: 51-55
- Ogeng’o J.A, Olabu B O, Cortical Stroke in Kenya. *Int. J. Stroke* 2010; 5:517-518.
- Mwachaka P M, Mbugua E. Saidi H, Who wants to be surgeon? A survey of medical students at the University of Nairobi, Kenya. *Ann. Afr. Surg.* 2010; 6: 26-31.
- Sinkeet S. R, K.O.Awori, P.O.Odula, P.M.Mwachaka, The Suprascapular notch: Its morphology and distance from the glenoid cavity in a Kenyan population. *Folia morphol.* 2010; 69:241-5
- Ogeng’o J A. Mwachaka P.M. Bundi P.K. Factors Influencing Research Activity among Medical Students at the University of Nairobi *Ann. Afr. Surg.* 2010; 6:18-21
- Butt F M. An Audit of ranulae occurring with the Human immunodeficiency virus infection. *J. Oral. Maxillofacial. Path.* 2010; 14:33-35.
- Butt F M. Awareness and Experience of needle stick injuries among Dental Students at the University of Nairobi, Dental Hospital. *E Afr Med J* 2010; 87:38-41
- Kavoi B, Makanya A., Hassanali J, Carlsson Hans-Erick, Kiama S, Comparative Functional Structure of the olfactory mucosa in the domestic dog and sheep. *Ann. Anat.* 2010; 329-337
- C. Omwandho, L. Konrad, G. Halis, F. Oehmke, H. R. Tinneberg, Role of TGF-beta in normal human endometrium and endometriosis *Human Reproduction* 2010; 25(1):101-109.
- Mwanchaka P, Sinkeet S, Ogeng’o J.A, Superficial temporary artery among Kenyans: Pattern of branching and its relation to pericranial structures. *Folia Morphol* 2010; 69 (1) 51-53.
- Ogeng’o J.A., Olabu B.O., Pattern of extracranial peripheral aneurysms in a Kenyan referral hospital *The Annals of Afr. Surgery* 2010; 5:8-11.
- Kimani MM, Kiiru JN, Matu MM, Chokwe T, Saidi H. Evaluation of possum and p-Possum as predictors of mortality and morbidity in patients undergoing laparotomy at a referral hospital in Nairobi, Kenya. *The Ann Afr Surg* 2010; 5:28-32.
- Abdihakim M, Saidi H. Severe necrotizing infection of the perineum: Beyond Necrosectomy. *The Ann Afr Surg* 2010; 5:39-43.
- Kaisha WO, Bitta C. Sigmoid Volvulus in pregnancy: Case report. *The Ann Afr Surg* 2010; 5:44-46.
- McClelland RS, Graham SM, Richardson BA, Peshu N, Masese LN, Wanje GH, Mandaliya KN, Kurth AE, Jaoko W & Ndinya-Achola JO (2010) Treatment with antiretroviral therapy is not associated with increased sexual risk behavior in Kenyan female sex workers. *AIDS.* 2010 Feb 22. [Epub ahead of print]
- Spentzou A, Bergin P, Gill D, Cheeseman H, Ashraf A, Kaltsidis H, Cashin-Cox M, Anjarwalla I, Steel A, Higgs C, Pozniak A, Piechocka-Trocha A, Wong J, Anzala O, Karita E, Dally L, Gotch F, Walker B, Gilmour J & Hayes P (2010) Viral inhibition assay: a CD8 T cell neutralization assay for use in clinical trials of HIV-1 vaccine candidates. *Journal of Infectious Diseases.* 2010 Mar;201(5):720-9

- Wallis CL, Papathanasopoulos MA, Lakhi S, Karita E, Kamali A, Kaleebu P, Sanders E, Anzala O, Bekker LG, Stevens G, de Wit TF & Stevens W (2010) Affordable in-house antiretroviral drug resistance assay with good performance in non-subtype B HIV-1. *J Virol Methods*. 2010 Feb;163(2):505-8
- Bosch KA, Rainwater S, Jaoko W & Overbaugh J (2010) Temporal analysis of HIV envelope sequence evolution and antibody escape in a subtype A-infected individual with a broad neutralizing antibody response. *Virology*. 2010 Mar 1;398(1):115-24.
- Smith JS, Backes DM, Hudgens MG, Bailey RC, Veronesi G, Bogaarts M, Agot K, Ndinya-Achola JO, Maclean I, Agingu W, Meijer CJ, Moses S & Snijders PJ (2010) Prevalence and risk factors of human papillomavirus infection by penile site in uncircumcised Kenyan men. *Int J Cancer*. 2010 Jan 15;126(2):572-7.
- Ogeng'o J. Malek A. Kiama S. *International Journal of Morphology Int. J. Morphol (online)*. 2010 vol.28, n.2, pp. 409-414. ISSN 0717-9502. doi: 10.4067/S0717-95022010000200013.
- Ongeng'o J.A. Obimbo MM, King'ori J, Njogu Sarah wandia Patterns of Limb amputation among Rural Kenyan Children and Adolescents. *J. Vasc. bras. vol. 9 porto Alegre June 2010* doi: 10.1590/S1677-54492010000200005
- Ogeng'o J.A. Olabu B.O. Mburu A.N. Sinkeet S.R Pediatric Stroke in an African Country. (*Folia Morphol* 2010;69,3:160-163)
- Obimbo MM. Ogeng'o J.A. Saidi H. Variant Anatomy of the uterine artery in Kenyan Population. *Int J Gynaecol Obstet*. 2010 oct;111(1):49-52. Epub 2010 Jul 1.
- J.A. Ogeng'o, Malek SG Kiama Structural organisation of tunica intima in the aorta of the goat. (*Folia Morphol* 2010;69,3:164-169)
- Ndung'u JR. Gestational Thyrotosis Associated with Emesis in early pregnancy. *East African Medical Journal* Vol.86 No.2
- B Walker LM, Phogat SK, Jaoko Walter et al. Road and Potent Neutralizing Antibodies from an African Donor Reveal a New HIV-1 Vaccine Target.. *DR. Science Sep 3* [Epub ahead of print].
- N., Ndinya-Achola et al. Spatial distribution and cluster analysis of sexual risk behaviours reported by young men in Kisumu, Kenya: Westercamp, *Int J Health Geogr*. 2010 May 22;9(1):24.
- Ndinya Achola et al. Circumcision and reduced risk of self-reported penile coital injuries: Results from a randomized controlled trail in Kisumu, Kenya: *J Urol*, 2010 May.
- Mwango G. N. Wandering Spleen: Case Report. *Est. Afr. Med. J Vol. 87 No. 2 Feb 2010*

SCHOOL OF PHARMACY

The School of Pharmacy started as a Department of Pharmacy in the Faculty of Medicine in 1974 and attained Faculty status in July 1995. The School is charged with the mandate of training high caliber pharmaceutical health care personnel who provide services to the community, industry and conduct innovative research in relevant areas.

Courses offered

In 2010, The School offered one undergraduate course in pharmacy. At the postgraduate level, the school offered courses in clinical pharmacy, pharmacognosy and complementary medicine, and, pharmaceutical analysis.

Enrolled students

In 2010, the School enrolled 351 students at undergraduate level, and 32 students at postgraduate level.

International student component

In 2010, the School enrolled seven foreign students.

Research

In 2010, members of staff were involved in research activities that included:

Traditional herbal medicines in Kenya, the quality of foreign herbal medicines available on the Kenyan markets, toxicity of malaria medicines, investigation of plants used in wound healing,

and clinical response and pharmacokinetics of antiretroviral drugs in Kenyan HIV patients.

International links and collaborations

In the year under review, the School maintained collaborative links with the Tianjin University of Traditional Chinese Medicine and Aibst of Zimbabwe. Links were also maintained with the following universities: Katholieke Universiteit Leuven, Belgium. Kings College, Dept. of Pharmacy in London UK, University of Bradford in UK, Temple University, USA, University of Pennsylvania

At the local level, the School maintained linkages with industry on drug analysis and good manufacturing practices: Unga Limited, Kenya; Centrale Humanitaire Medico-Pharmaceutique; Nerix Pharma Ltd, Kenya; MEDS (Mission for Essential Drugs Supply), Kenya; Medipharm Industries (E.A.) Ltd, Uganda; Elys Chemical Industries Ltd., Kenya ; and, Norbrook Kenya Ltd., Kenya

Publications

- C.K. Maitai (2010). Cosmetics: Quality and safety concerns. East and Central African Journal of pharmaceutical Sciences (2010) Vol. 13 (1) 1-2
- C.K. Maitai and D.M. Kokonya (2010). A Brief Review of Probiotic use. East and Central African Journal of Pharm Sci. Vol. 11 (3) 82-84
- M.W. Karara, F.A. Okalebo, M.N. Oluca, J. Ombega, A.N. Guantai and G.O. Osanjo. Comparative tolerability and efficacy of stavudine 30 mg versus stavudine 40 mg in patients on combination antiretroviral therapy in Kenya. Journal of AIDS and HIV Research, Vol.2 (2) Pages 24 – 31, 2010
- E. M Mwangangi. The risk factors, management and outcomes of adverse drug reactions in adult patients on antiretrovirals at Kenyatta National Hospital comprehensive care centre, East Africa Medical Journal Vol. 87 No. 2 Feb 2010

Graduands

In 2010, the School graduated 76 candidates at undergraduate and postgraduate levels.

SCHOOL OF DENTAL SCIENCES

The School of Dental Sciences (SDS) is one of the five schools that constitute the College of Health sciences. The School has 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 the year under review, the School offered one undergraduate course leading to a degree in dental surgery, at postgraduate level, the School, offered four courses at masters level with specializations in paediatric dentistry, oral maxillofacial surgery , periodontology/periodontics, and prosthodontics.

Enrollment

In 2010, the School enrolled 169 students at various levels

Research interests, international links and collaboration

In 2010, the School maintained its links with: Milano Bicocca, Nagasaki University, and GlaxoSmithKline Limited.

Papers presented

- Faculty made presentations contained in the Conference Abstracts of the 26th KDA/IADR Annual Scientific Conference and Exhibition held on October 21st – 23rd 2010.
- Dimba EAO: Current concept in pain management
- Anver M, Opinya G, Hussein A: Prevalence of dental caries in HIV+ children and adolescents aged 2 – 15 years in Nairobi and Mombasa.
- Muasya K., Opinya G.N, Masiga M.A: Ectodermal dysplasia: A case report.
- Kassim B.A., Kisumbi B.K., Lesan W.R. and



Prof. Anne Orsbone shortly before delivering a lecture at the College of Health Sciences. Prime Minister Hon, Raila Odinga and top UoN managers were in attendance.

- Gathece L.W.: Efficiency of light curing units in dental clinics
- Bagha A.S., Gathece L.W., Kisumbi B.K.: Knowledge attitude and oral hygiene practices of patients attending periodontology clinic.
- Nyaga J.M., Maina S.W., Okoth J, Gathece L.W.: Root length in maxillary first permanent molars in a Kenyan population.
- Mulewa A.: Laboratory aids to treatment planning and proper fixture placement.
- Butt F.M.A., Moshi J.R., Owibingire S., Chindia M.L.; Xeroderma pigmentosum; A review and case series. *Journal of Craniomaxillofacial Surgery* 2010; 1-4
- Ganatra F.A., Kisumbi B.K., and Gathece L.W. Selection of direct posterior dental restoratives by dentists. *Journal of the Kenya Dental Association* Vol. 1:3 59-64
- Kihara E.N., Mutara L., Maina S.W. and Kisumbi B. Pit and fissure sealants: knowledge, attitude and use by dentists in Nairobi, *Journal of the Kenya Dental Association* Vol. 1:3 65-71
- Edalia G.L., Mua B.N, Kisumbi B.K., and Kemoli A.M. Oral health knowledge attitudes practices and caries experience among 10-12 year olds in children's homes. *Journal of the Kenya Dental Association* Vol. 1:3 84-89
- P.M. Ng'ang'a, J.D. Rugh, J.P. Hatch, P.T. Gakunga: European, American, Hispanic Americans, Japanese and African Judges for Soft Tissue Profile. *AM J. Dentofacial Orthop* 127: 692-9
- F.M. Butt, M.L. Chindia, T. Kenya, L.W. Gathece, F. Rana; An audit of ranulae occurring with the human immunodeficiency virus infection Vol. 1 issue 4 1 Jan – June 2010.

Publications

Graduands

In 2020, the School graduated 31 students at undergraduate and post graduate levels.

INSTITUTE OF TROPICAL AND INFECTIOUS DISEASES

Introduction

The UON Institute of Tropical and Infectious Diseases (UNITID) established in 2003 operates as a virtual institute with the University mandate to carry out biomedical research alongside training at postgraduate diploma, masters and PhD levels.

Links/collaboration

The Institute has the highest number of external links and collaborations in the University. In the year under review, the following active links and partnerships were in place: The University of Manitoba, (Canada), University of Washington in Seattle, University of Toronto, Ghent University in Belgium, University of Copenhagen through DBL-Centre for Health Research and Development and the Department of Human Nutrition both of the Faculty of Life Sciences, Tufts University, Boston USA, Family Health International, World Health Organization, Centres for Disease Control & Prevention (CDC) and Pfizer Laboratories. Local collaborators included: the Nairobi City Council, Pumwani Maternity Hospital, Tigoni District Hospital, the Kenya Medical Research Institute (KEMRI) and the Kenyatta National Hospital and Siaya District Hospital.

Research Activities

In 2010, the Institute maintained research activities in a number of fields especially in the area of HIV/AIDS, malaria and schistosomiasis. New areas included harnessing mobile phone usage for horizontal health systems improvement, and, alleviating childhood malnutrition in developing countries through improved utilization and processing of traditional foods.

Enrollment

The Institute mounted four postgraduate programmes : MSc. in Medical Statistics; MSc Tropical and Infectious Diseases; Postgraduate Diploma Course in Research Methodology (PGD-RM); and Doctor of Philosophy (PhD) in various

disciplines of infectious diseases.

60 postgraduate students were enrolled for the postgraduate diploma and Masters degrees. During the same period, there were three Ph.D students registered at UNITID.

UNITID started the first fellowship programme in the University of Nairobi funded by the Centers for Disease Control (CDC). This is a two-year on-the-job competency training programme that targets professional and technical leaders in programme management.

Short term management courses including the multi-variate statistics course using Stata 11 were conducted in the year. A total of 400 participants were trained during the year.

Graduands

In 2010, 16 candidates graduated at post graduate diploma and masters degree level.

Publications

- F.M. Awah, P. N. Uzoegwu, J. O. Oyugi, J. Rutherford, P. Ifeonu, X. Yao, K. R. Fowke and M. O. Eze. Free radical scavenging activity and immunomodulatory effect of *Stachytarpheta angustifolia* leaf extract. *Food Chemistry*, Volume 119, Issue 4, 15 April 2010, Pages 1409-1416.
- Tovanabutra S, Sanders EJ, Graham SM, Mwangome M, Peshu N, McClelland RS, Muhaari A, Crossler J, Price MA, Gilmour J, Michael NL, McCutchan FM. Evaluation of HIV type 1 strains in men having sex with men and in female sex workers in Mombasa, Kenya. *Aids Research and Human Retroviruses*. 2010; Vol 26(2):123-131.
- Masese L, Graham S, Gitau R, Jaoko W, Ndinya-Achola J, Peshu N, Mandaliya K, Richardson BA, Overbaugh J, McClelland RS. A prospective study of vaginal Trichomoniasis and HIV-1 shedding in women on antiretroviral therapy. 17th Conference on Retroviruses and Opportunistic Infections. San Francisco February 16-19 2010 (Abstract 1023).
- Gitau R, Graham S, Masese L, Overbaugh J, Chohan V, Peshu N, Richardson B, Jaoko W,

Ndinya-Achola J, McClelland RS. Effect of cervical infections on genital HIV-1 shedding in women receiving antiretroviral therapy. 17th Conference on Retroviruses and Opportunistic Infections. San Francisco February 16-19 2010 (Abstract 482).

- Balkus JE, Richardson BA, Mandalya K, Kiarie J, Jaoko W, Ndinya-Achola JO, Marrazzo J, Farquhar C, McClelland RS. Establishing and sustaining a healthy vaginal environment: results from a randomized trial of oral periodic presumptive treatment for vaginal infections. 2010 International Microbicidal conference, Pittsburg, PA, May 22-25.
- R. T. Lester, P. Ritvo, E. J. Mills, A. Kariri, S. Karanja, M. H. Chung, W. Jack, J. Habyarimana, M. Sadatsafavi, M. Najafzadeh, C. A. Marra, B. Estambale, E. Ngugi, T. B. Ball, L. Thabane, L. J. Gelmon, J. Kimani, M. Ackers, F. A. Plummer (2010). Effects of a mobile phone short message service on antiretroviral treatment adherence in Kenya: a randomised trial. The Lancet Vol 376

Papers presented

- Masese L, Graham S, Gitau R, Jaoko W, Ndinya-Achola J, Peshu N, Mandaliya K, Richardson BA, Overbaugh J, McClelland RS. A prospective study of vaginal Trichomoniasis and HIV-1 shedding in women on antiretroviral therapy. 17th Conference on Retroviruses and Opportunistic Infections. San Francisco February 16-19 2010 (Abstract 1023).
- Gitau R, Graham S, Masese L, Overbaugh J, Chohan V, Peshu N, Richardson B, Jaoko W, Ndinya-Achola J, McClelland RS. Effect of cervical infections on genital HIV-1 shedding in women receiving antiretroviral therapy. 17th Conference on Retroviruses and Opportunistic Infections. San Francisco February 16-19 2010 (Abstract 482).
- Balkus JE, Richardson BA, Mandalya K, Kiarie J, Jaoko W, Ndinya-Achola JO, Marrazzo J, Farquhar C, McClelland RS. Establishing and sustaining a healthy vaginal environment: results from a randomized trial of oral periodic

presumptive treatment for vaginal infections. 2010 International Microbicidal conference, Pittsburg, PA, May 22-25.

Outreach Activities

In 2010, the Institute mounted six programmes for outreach activities, the activities included: HIV care and treatment in Kangemi, Majengo, Pumwani and Tigoni; pregnancy and HIV study in Nyando; and, outreach activities at the project clinic in Ganjoni, Mombasa.

SCHOOL OF NURSING SCIENCES

Introduction

The School of Nursing Sciences is one of the Schools of the College of Health Sciences. It was initially a department in the faculty of Medicine for close to 38 years before being fully established as a School in January 2006 to offer training of nurses both at undergraduate and postgraduate levels. The School had four thematic areas namely: medical/ surgical nursing, obstetrics /midwifery and gynaecological nursing, community health nursing and nursing education and administration.

Courses offered

In 2010, the School offered one undergraduate programme in nursing science. The School also maintained the Master of Science Degree in Nursing covering different clinical areas of nursing, which include obstetric nursing/ midwifery, medical surgical nursing, nursing education, paediatric nursing, nursing administration, mental health and psychiatric nursing, oncology nursing, critical care nursing.

In addition the School mounted the BSc.Nursing (upgrading programme) which admits diploma holders from the field.

The School also offered a Doctorate degree in Nursing with specialties including nursing

education and medical surgical nursing.

Enrollment

In 2010, the School enrolled 376 students in various courses as follows:

BSc. Nursing	342
MSc. Nursing	29
Ph.D	5

Graduands

In 2010, the School graduated 72 graduands at undergraduate and postgraduate level.

Collaboration

The School participated actively in the activities of the Nursing Council of Kenya which is the National regulatory body in Kenya.

Other activities included mounting of e-learning programme for the upgrading of certificate

(Enrolled) nurses to the diploma 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 activities

In the year under review, faculty engaged in research activities that included: attitude towards adolescents with sexual and reproductive health problems; substance abuse; health systems management; adolescent reproductive health; and antenatal, post natal care and child health care

Challenges

The School faced several challenges both physical and human. The main ones included: inadequate staff, lack of transport, lack of adequate furniture for staff, inadequate space for expansion, and, overcrowded clinical placements.



7.00 College of Humanities and Social Sciences

FACULTY OF ARTS

Introduction

The Faculty of Arts, University of Nairobi, is the largest faculty in the country in terms of student enrolment (7000) and academic members of staff (300). The Faculty is also one of the most diverse faculties of the Universities in terms of programmes offered. It has 9 departments. In the year under review, the Faculty offered over 40 programmes across its departments including certificate, diploma, bachelors, masters and PhD.

Graduands

In 2010, the Faculty graduated 1497 graduands including 5 Ph.D and 163 Masters.

Enrollment

In 2010, the Faculty of Arts enrolled over 5000, students in various programs, and at various levels.

Programme	Module 1	Module 11	Module 111	Total
Certificates		100		100
Diplomas		380		380
Bachelors	3198	2933	144	6275
Postgraduate		60		60
Masters	52	238	70	360
PhD	23	41		64
GRAND TOTAL				7239

Papers presented

- Owuor, S.O. (2010), Kenya Slum Upgrading Programme: Community participation, emerging impact and challenges. AIRES-SUD and CORUS international conference on "Urban Governance in Africa". Dschang, Cameroon, November 8-13.
- Owuor, S.O., J. Walubwa & B. Owino (2010), "Kenya Slum Upgrading Programme (KENSUP)": An analysis of Kibera Integrated Water, Sanitation and Waste Management Project (K-WATSAN). IFRA/CORUS seminar. Nairobi, Kenya, May 25.
- Owuor, S.O. (2010), Kenyan cities and spatial justice. Jugurta workshop. Nairobi, Kenya, May 24-28.
- Owuor, S.O. (2010), Climate change vulnerability, risk, impact and adaptation in Nairobi's informal settlements of Korogocho and Mukuru Kwa Njenga. Stakeholders workshop. Nairobi, Kenya, March 18.
- Kithiia, S and Wambua, B. (2010) Temporal changes of sediment dynamics within the Nairobi River Sub-basins between 1998 -2006 time scale, Kenya. A paper presented in Warsaw – Poland June 14 -15 2010 ICCE_ IAHS International Symposium on sediment

- dynamics for changing future and published in International Association of Hydrological Sciences (IAHS)
- Odingo, R.S. Food and Energy Systems in sub-Saharan Africa, a study of the implications of climate change impacts and vulnerability on Food Production and Energy use in Sub-Saharan Africa. Paper presented to NEMETRIA, Italy, November 2010.
 - Odingo, R.S. Adaptation to Global Climate Change by Pastoralist populations. Paper presented to International Conference on Pastoralism and Climate Change – Egerton University May 2010.
 - Odingo, R.S. Environmental Imperatives and the Future of Sustainable Agricultural Development in sub-Saharan Africa – Distinguished lecture series, Caselap University of Nairobi, November, 2010 – Inaugural lecture
 - Changamoto za Kutafsiri Nyaraka za KACC/ The Challenges of Translating KACC Documents. Paper presented by Dr. Mwenda Mbatiah at Pwani University College, Kilifi, Kenya in September 2010.
 - Kariuki, P. Changing economic and social patterns of family life among kikuyu families in Nairobi, Kenya. Paper presented at the International Conference on the Family: Reflections on Family as a Value with Respect to Religion, Tradition and Modernity, held in Turkey in November, 2010.
 - Kivuva, J. “Kenya Two Years After: Kofi Annan’s ‘Matatu’ Diplomacy and the Status of the Implementation of the Kenya National Accord”. Public Lecture presented at The Good Afternoon Africa Lecture Series, Organized by the Department of Africana Studies, University of Pittsburgh, USA, on January 14, 2010.
 - Kivuva, J., “Beyond the Constitutional Politics: The Proposed Constitution and the Restructuring of the Kenyan State” (Paper presented to a SID Workshop on Redesigning government and the Proposed Kenyan Constitution, held at the Intercontinental Hotel 18-19 September 2010)
 - Simiyu, V.G. The role of The Kings African Rifles (KAR) and the South African Engineer Corps (SAEC) during the Second World War . Paper presented at the Saldana Military Academy Stellenbosch University, South Africa. Paper, October 19-22 .2010
 - Wahome, E.W. The Swahili Heritage and Language. Paper presented at the RISSEA International Conference in Mombasa, Thursday 18 – 20th November ,2010
 - Wahome, E.W. (2010) Threats to Cultural Heritage in East Africa. Paper presented at the Association of Hospitality and Tourism Schools in Africa, 3rd Conference held at Kenya Utalii College.
 - Mwiandi, M. University’s ‘Third Mission’: Serving the Nation .Paper presented at the Nile Basin Research Conference II on Theme “Collaboration in the Nile Basin: the Way Forward” held at Kampala, 25th – 27th October, 2010.
 - Muriuki, G(2010) “Resolving the Border Areas of Abyei 2. Paper presented to Advisory Group Seminar on Stabilizing Sudan, Centre for Conflict Resolution, University of Cape Town, Cape Town, 23 & 24 August, 2010.

Publications

- Foeken, D., S.O. Owuor & A.M. Mwangi (2010), School farming for school feeding: experiences from Nakuru, Kenya. The Journal of Field Actions Science (FACTS) Reports, Special Issue 1 (2010): 1-6.
- Foeken, D., S.O. Owuor & A.M. Mwangi (2010), Urban school farming to improve school feeding: The case of Nakuru town, Kenya. Children, Youth and Environment, 20 (1): 276-300.
- Foeken, D., W. Klaver, S.O. Owuor & A.M. Mwangi (2010), Market forces threatening school feeding: The case for school farming in Nakuru town, Kenya. In M. Dekker & R. van Dijk (eds.), Markets of Well-Being: Navigating Health and Healing in Africa. Leiden: Brill, pp. 79-108.

- Owuor, S.O. (2010), Water sector reforms in Kenya: Institutional set-up, impact and challenges in urban water supply. In B. Calas & C.A.M. Martinon (eds.), *Shared Waters, Shared Opportunities: Hydropolitics in East Africa*. Nairobi: IFRA, pp. 97-112.
- Rutten, M. & S. Owuor (2010), Weapons of mass destruction: Land, ethnicity and the 2007 elections in Kenya. In P. Kagwanja & R. Southall (eds.), *Kenya's Uncertain Democracy: The Electoral Crisis of 2008*. London and New York: Routledge, pp. 46-65.
- Owuor, S.O. (2010), Migrants, urban poverty and the changing nature of urban-rural linkages in Kenya. In: J. Crush & B. Frayne (eds.), *Surviving on the Move: Migration, Poverty and Development in Southern Africa*. Cape Town: Idasa and DBSA, pp. 117-131.
- Ayiamba, E.H.O.(2010) Strengthening policies and Institutions to support adaptation to climate variability and change in the dry lands of East Africa. In *Global Change and Sustainable Development; A synthesis of Regional Experiences from Research Partnerships*. Chapter 7: Edited by Hans Hunri and Urs Wiesmann, NCCR North-South, Swiss National Centre of Competence in Research, North-South University of Bern, Switzerland.
- Chitere, P. O. (2010). Matatu para-transit transport industry in Kenya: a study of the characteristics and performance of its association, and companies on road safety. In: *Journal of intra-African studies*, no. 2.
- Habwe, J.H (2010) *Politeness Phenomena: A case of Kiswahili Honorifics*. Swahili Forum. University of Cologne, Germany
- Kivuva J. and Odhiambo M. (eds.), *Integrity in Kenya's Public Service: Illustrations from Goldenberg and Anglo-Leasing Scandals* (Nairobi: Claripress 2010).
- Kivuva, J., "Beyond the Constitutional Politics: The Proposed Constitution and the Restructuring of the Kenyan State" SID Working Paper Series, 2010.
- Amadi,H (2010) "Finding Practical Solutions to Africa's Problem: The Case of Kenya," *Political Science (Online Publication)*, Vol. 43 Number 1, January 2010, Link:<http://journals.cambridge.org/action/displayjournal?jid=PSC> (Supplementary materials), pp.192-192
- Achola,MA.(2010) "Objectivity Source Material and Interpretation in Scholarship" in *Journal of Science Technology, Education and Management Vol 2 No's 1 &2 September 2010* by Godfrey Okoth (ed) 2010.
- Mwiandi , M (2010) "The Nile Waters and Socio-Economic Development of Western Kenya" in Terje Tvedt(ed) *The River Nile in the Post-Colonial Age: Conflict and Cooperation among the Nile Basin Countries* (London: I.B. Tauris, 2010)
- Mwiandi,M. (2010) *University 'Third Mission' – Service: A Case of University of Nairobi* in Kassahum B. Alemu, Tor Halvorsen and Mary Mwiandi (eds) *Reshaping Research Universities in the Nile Basin Countries* Kampala: Fountain Publishers, 2010
- Mwiandi,M. (2010) "Development of University Education in Kenya since Independence" in Kassahum B. Alemu, Tor Halvorsen and Mary Mwiandi (eds) "The Nile Basin Knowledge Societies in the era of Mass Tertiary Education (Kampala: Fountain Publishers, 2010).
- Nyanchoga, B.(2010) "Sea front Archaeology :A Cultural Impact Assessment of the Shella of Lamu,Kenya." *Internal Journal of Social Sciences Vol 2 No: 1* 2010.

International links and collaborations

Through the department of geography, the faculty entered collaboration with Mitsubishi corporation of Japan. The department is jointly working with Center for research and Training on Arid Lands (CETRAD) in Nanyuki on the livelihood systems of the people around Mt. Kenya.

The department of philosophy in collaboration with universities in Scandinavia – particularly Sweden and Denmark embarked on a collaborative venture to establish a Center for the Study of Human Rights and Peace. Through the department of sociology, the faculty established a link for student/staff exchange with the following international institutions: Volda College, Norway and Loyola University College, Chicago, USA

Through the department of sociology the Faculty maintained a link with the University of Washington, USA, hosting a Fulbright scholar who has been assisting in teaching and teaming up with faculty to engage in research and publication.

Through the department of literature, the Faculty enhanced its international profile by engaging with other universities in the US, Asia and Europe, either to strengthen existing collaborations or start new ones including: Soka University, Japan; the University of Hamburg, Germany; the Academy of Korean Studies (South Korea). In 2010, the department of literature hosted the 8th Isola Conference at Leisure Lodge Resort, Mombasa from 15 – 20 July 2010. This is a prestigious international event that attracted 134 abstracts from international scholars of orality. The theme of the conference was “Traditional Knowledges and Intellectual property Rights in the Age of Globalisation.”

Also in 2010, the French sub-department took seriously the role of contributing to bridging the gap between English speaking Kenya and the French speaking world. To do this, the sub department offered B.A. courses in the French language for every day informal and formal communication as well professional communication in such areas as diplomacy, management and administration, business, tourism and other areas that are deemed to be important for communication between the graduates and French speakers;

The Sub-Department of French hosted a brainstorming session involving the French Embassy in Kenya Bureau for cooperation on the French language and all units teaching French in all universities in Kenya. The issues of academic

programs and collaborative research were looked into.

Three members of staff of the Sub-Department attended a course on the teaching of French for special purposes organized by French Embassy in Kenya Bureau for cooperation on the French language

Research

Field Work – Ethnographic study of traditional methods of firing ceramic wares among the Babukusu potters in Kanduyi Sub-Location of Bungoma District.

Laboratory Work

Analysis of Early Iron Age ceramic assemblages from the Kenyan Coast.

INSTITUTE OF ANTHROPOLOGY, GENDER AND AFRICAN STUDIES

The Institute of African Studies, now renamed Institute of Anthropology, Gender and African Studies has been in existence since 1970. At its inception, the Institute was mandated to carry out research in Social-Cultural issues including research in the field of African prehistory and history, musicology and dance, traditional arts and crafts, religion and other belief systems.

Courses Offered

In 2010, the Institute continued to offer courses at undergraduate, postgraduate and Ph.D level in anthropology, gender and development studies, cultural studies and heritage management.

Enrolment

Undergraduates	-	237
Masters	-	75
Ph.D.	-	5

International Student Component

In the year under review, the Institute had eight international students drawn from the US, UK, South Africa, Mozambique, Nigeria and Tanzania.

Research Activities Undertaken

REACT Project: The Institute continued with the REACT project research activities. The project which is funded by the European Union aims at contributing to our understanding on health care systems using accountability for reasonableness approach. It is a multi-country project involving different institutions, namely:

LAGAS (Kenya), DBL-Institute for Health Research and Development (Denmark), KEMRI (Kenya), IDS-University of Dar-es-Salaam (Tanzania), Department of Community Health, University of Zambia, Institute of Tropical Medicine – Department of Public Health (Belgium), Umea International School of Public Health (Sweden), Primary Health Care Institute, Iringa (Tanzania), Institute of Economic and Social Research (Zambia) and Centre for Inter-national Health of the University of Bergen (Norway). In Kenya, the research is being conducted in Malindi District.

International Links and Collaborations

During the year, the Institute through the University of Nairobi signed a new Memorandum of Understanding (MoU) with Steno Diabetes Research Centre, Denmark.

There is an active research programme in the area of Medical Anthropology in collaboration with DBL – Institute for Health and Development, Denmark.

The Institute also continued with its links and collaborations with the following institutions: Centre for Heritage Development in Africa (CHEDA); African Studies Consortium which brings together Bryn Mawr College, Haverford College, Swarthmore College, the University of Pennsylvania (USA) and the University of Nairobi; and, Japan Society for the Promotion of Science (JSPS).

Publications

The Institute released Vol. 11 of its journal, Mila (Vol. 11 2010).

Olang'o, C.O., Nyamongo, I.K., J. Aagaard-Hansen "Staff attrition among community health workers in home-based care programmes for People living with HIV and AIDS in Western Kenya" (in Health policy 97, Ireland, September, 2010).

Nyamongo, I.K. Human Sexuality in Africa: Beyond reproduction", in Global Public Health, vol. 5, No. 1, January, 2010).

Papers presented

Wandibba, S. "The Study of Ethnographic Pottery in Western Kenya and its Implications for Archaeology". Paper presented at the Turkana Basin Institute and Paleobiology Seminar Series, Stony Brook University, New York, U.S.A, 25th March, 2010.

Onyango-Ouma "Exploring context and participation in health promotion", Steno Health Promotion Seminar 2010:Steno Diabetes Centre, Denmark – 15th-16th November, 2010.

Graduands

In 2010, the following graduands from the Institute were conferred with degrees.

Bachelors	-	62
Masters	-	45

INSTITUTE OF DIPLOMACY AND INTERNATIONAL STUDIES

History /Background

The Institute of Diplomacy and International Studies (IDIS) is a regional postgraduate training institution based at the University of Nairobi. The institute offers Diploma, B.A, Post Graduate Diploma, M.A. and Ph.D. programmes in International and Strategic Studies. It has also set up Latin America and South East Asia regional study areas.

Collaboration and Links

The Institute maintained close links with the resident diplomatic community. The latter participated in the Institute's programmes either as guest lecturers, seminar resource persons/ participants or advisers in practical aspects of diplomacy such as diplomatic negotiations. The

location of the Institute allowed it to benefit from the large diplomatic presence, international organizations and media personnel in Nairobi.

The Institute also had well developed links with institutions that have related programmes. The Institute maintained its links with the National Defence College of Kenya and also with the Defence Staff College in Nairobi. The Institute continued to enjoy and to develop its historical links with the Ministry of Foreign Affairs of Kenya. Other links maintained were those with: the United Nations University of Peace, the Ministry of East African cooperation of Kenya, the East African Legislative Assembly and Non-Governmental institutions such as Heinrich Boll Foundation and the International Development and Research Centre (IDRC).

Courses offered

In the year under review, the Institute continued to offer courses at undergraduate, postgraduate and Ph.D levels in international studies, strategic studies, conflict management, diplomacy and international relations

Enrollment

MA (IS, ICM, Diplomacy)		422
PGD	-	12
Ordinary Diploma	-	79
Ph.D	-	5

International Student's Component 15 students

Papers Presented

- Mwagiru, M. Private security providers in national security doctrine: foundations, roles and outputs. A paper presented at the Office of the President Workshop on Private Security Providers in Kenya, Nairobi 29 April 2010)
- Mwagiru, M. Research agenda for the EAC Nyerere centre for peace research. A paper prepared for the Experts Workshop on a Research Agenda for the EAC Nyerere Centre for Peace Research, Arusha 6-8 May, 2010)
- Mwagiru, M .Training for global health diplomacy: experiences from Kenya . A paper presented at a Workshop on Implementing

Executive Courses on Global Health Diplomacy, Bellagio, Italy 13-17 September 2010)

- Mwagiru, M. Regulation or collaboration? perspectives on security providers in national security. A paper presented at the Validation Workshop for the Private Security Industry Regulation Bill, 2010, Nairobi, 25 August 2010)
- Mwagiru, M. The swing of the pendulum: Kenya's diplomacy of conflict management in regional perspective. A paper presented at the IGAD "Conference on Prospects and Challenges of Peace and security in the Region", Nairobi, 25-26 November, 2010)
- Mwagiru, M, and Kiamba A.. The role of women in conflict prevention and peace building in the Intergovernmental Authority on Development Region A paper presented to the IGAD Meeting as the Year of Peace & Security, Nairobi 9 November 2010)

Graduands

Masters	62
Ph.D	1
PGD	3
Diploma	22

INSTITUTE FOR DEVELOPMENT STUDIES (IDS)

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.

Enrolment

During the year under review, the Institute enrolled twenty three (23) students for studies leading to the award of the degree of Master of Arts in Development Studies. The PhD programme had two candidates.

Graduands

In 2010, 13 graduands were awarded the degree of Master of Arts in Development Studies.

Publications

- Mitullah W.V. (2010) *Informal Workers in Africa and Transnational Organizations: Networking and Leveraging Resources*. In Ilda Lindell (ed) *Africa Informal Workers: Collective Agency, Alliances and Transnational Organising in Urban Africa*. London: Zed Publications, London.
- Mitullah W.V., Odhiambo Morris (2010) *Gender and Leadership in Kenya: A Post 2010 general Elections Analysis*. Nairobi: CLARIPRESS
- Kamau, P. (2010). 'Can It Be Mended? Kenya and the MFA Phase Out'. In Carr, Marilyn and Mariama Williams (eds) Chapter 4. *Trading Stories: Experiences with Gender and Trade*, London. Commonwealth Secretariat. ISBN 0-978-0-85092-873-0
- Kinyanjui, M (2010) *Social Relations and Associations in the Informal Sector in Kenya*. Social Policy and Development Programme Paper No. 42. United Nations Research Institute for Social Development.
- Kinyanjui M.N, (2010) *Youth Polytechnic Graduates in Kenya*. Published by Lambert Academic Publishing AG & Co. KG. ISBN 978-8383-1533-1
- Kinyanjui M (2010) *Coffee time*. In *Offshoots 10 Acceleration*. Published by Geneva Winter's Group ISBN 2-9504162-9-2 | ISSN 1015-5848
- Atieno, R et al (2010) *Poverty Environment Links : The Impact of Soil and Water Conservation and Tenure Security on Household Welfare in Kenya*. *Journal of Development and Agricultural Economics* Vol 2 (1) pp 041-053.
- McCormick, D, Kaplinsky R, and M.Moris (2010) *Impacts and Challenges of a Growing Relationship Between Cina and Sub Saharan Africa*. In V. Padayachee (ed.), *The Political Economy of Africa*, PP. 389-409. London: Routledge. ISBN 10-0-415-48039-6.
- Atieno, R, and Mitullah, W.V *Migration (2010) Geneva..Labour Markets and Development: The Global Economic Crisis and its Impact on the Economy, Labour Markets, Migration and Development in North and West Africa". Working Paper, International Labour Organisation,*
- Atieno, R, and W.V Mitullah *Migration (2010) Geneva Migration Labour Markets and Development: Inward Migration to North and West Africa. Working Paper, International Labour Organisation.*
- D. McCormick, W. Mitullah, P.Chitere, R.Orero, and M. Ommeh. (2010). 'Institutions and Business Strategy of Matatu Operators in Nairobi: A Scoping Study.' Working Paper No. 14-2. African Centre of Excellence for Studies in Public and Non-motorised Transport. Cape Town: University of Cape Town.
- Kamau P. (2010). *Upgrading and Technical Efficiency in Kenyan Garment Firms: Does Insertion in Global Value Chains Matter? Köln Germany: Lambert Academic Publishing.*
- Kamau,P. (2010). 'China's Impact on Kenya's Clothing Industry', in Harneit-Sievers, Axel, Stephen Marks, and Sanusha Naidu (eds) *Chinese and African Perspectives on China in Africa*, pp. 108-125 Kampala: Fountain Publishers Ltd. ISBN 978-906387-33-4
- Kanyinga, K., D. Okello., and A. Akech. (2010). 'Contradictions of Transition to Democracy in Fragmented Societies: The Kenya 2007 General Elections in Perspective' in Karuti Kanyinga and Duncan Okello (ed). *Tensions and Reversals in Democratic Transitions: The Kenya 2007 General Elections*. Nairobi: Society for International Development and Institute for Development Studies (IDS), University of Nairobi
- Kanyinga, K., J. Long., and D. Ndi. (2010). 'Was it Rigged? A Forensic Analysis of Vote Returns in Kenya's 2007 Elections' in in Karuti Kanyinga and Duncan Okello (ed). *Tensions and Reversals in Democratic Transitions: The Kenya 2007 General Elections*. Nairobi: Society for International Development and Institute for Development Studies (IDS), University of Nairobi.

- Kanyinga, K. (2010). 'Stopping the Conflagration: The Response of the Kenyan Civil Society to the post-2007 Election Violence' in David Everett (ed), South African Civil Society and Xenophobia. Johannesburg: The Atlantic Philanthropies.
- Kanyinga, K., and D. Okello (ed). (2010). Tensions and Reversals in Democratic Transitions: The Kenya 2007 General Elections. Nairobi: Society for International Development and Institute for Development Studies (IDS), University of Nairobi
- Mitullah W.V (2010.) with Stefano Ponte and Kadigi R.M.J. When the Market Helps: Standards, Ecolbals and Resource Management Systems in East African Export Fisheries. Palgrave and Danish Institute for International Studies
- Mitullah W.V (2010.). 'Local Political System of Nairobi' in Helene Charton-Bigot and Dyssi Rodriguez Torres (eds). Nairobi Today: The Paradox of a Fragmented City. Mkuki na Nyota Publishers, Dar-es-Salaam

Research networks and ongoing research activities.

In 2010, the Institute was engaged in 32 networks for collaboration and research covering donor proliferation, land rights in Kenya, transport operators regulations, African clothing and foot wear, democracy and participation in Kenya, access to land and land-based resources among women pastoralists and forest-dwelling communities in east Africa, people speaking back: media, empowerment and democracy in east Africa, governing African cities, AFROBAROMETER survey in Kenya, local government and ICT research in Africa, chronic poverty, the status of pastoralists, policies for prosperity in Kenya, migration, labour markets and development in north and west Africa, and conflict and human security in northern Kenya.

The Institute received support from local and international agencies that included ILO, UNDP, Open Society, DfID, IDRC, UNECA, Ford Foundation, IDS Sussex and the Volvo foundation.

International Links And Collaboration

In 2010, faculty was involved in links and collaboration as follows:

- The World Economic Forum and University of Nairobi – 'Executive Opinion Survey in Kenya.' Annual Research Project funded by WEF since 2004.
- Socio-Cultural factors Gender, Culture and Women in the Lake Victoria Fish Trade: A Value Chain Analysis, a research project funded by VicRes. A three year research project involving researches in Kenya, Tanzania and Uganda.
- 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..
- 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 2010. This was an IDS international symposium funded by IDRC and involving more than 30 scholars from Africa, Europe and Asia.

SCHOOL OF LAW

Introduction

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

Enrolment**Master of Laws 80****Bachelor of Laws 1783****Research interests**

In the year under review, the School engaged in various research activities including : gender, the environment and natural resource management, intellectual property and corporate governance.

International links and collaborations

The School maintained its links with the following organizations: Widner University summer school arrangements, Financial and legal sector technical assistance project (FLSTAP

Graduands

In 2010, the School graduated the following:

Bachelors 195**Masters 14****Ph.D 2****Publications**

- Sihanya, B. and D.Okello (2010) "Mediating Kenya's Post-Election Crises: The Politics and Limits of Power Sharing Agreement," in Karuti Kanyinga and Duncan Okello (eds) Tensions and Reversals in Democratic Transitions: The Kenya 2007 General Elections, Institute of Development Studies (IDS), University of Nairobi, and the Society for International Development (SID) Eastern & Central Africa, Nairobi .
- Sihanya, B.(2010) "Copyright law in Kenya," International Review of Intellectual Property and Competition Law (IIC), Journal of the Max Planck Institute for Intellectual Property, Competition and Tax Law, Munich, Germany, Vol. 41 No. 8, pp. 926-947 (2010) edited by Prof William Cornish, Prof Paul Goldstein et al.
- Sihanya,B. (2010)Reconstructing the Kenyan Constitution and State, 1963-2010: lessons from German and American constitutionalism," Law Society of Kenya Journal Vol. 6 No. 1, pp. 1-35
- Dr P. Musili Wambua, The legislative framework for adjudication of piracy cases in kenya; review of the jurisdictionaland procedural challenges and the institutional capacity published in the

book titled: sea piracy law-selected national legal frameworks and regional legislative approaches, Duncker and Humblot, Germany 2010.

- Dr P. Musili Wambua, Co-editor and Contributor of 2 chapters: Taxation and State Building in Kenya: Using Human Rights to Advance Revenue Capacity A Report for DFID and Christian Aid
- Ouma, Marisella and Ben Sihanya (2010) "[Access to Knowledge in Africa: The Role of Copyright:] 'Kenya,'" a study under the auspices of the African Copyright and Access to Knowledge (ACA2K) project and International Development Research Centre (IDRC) Acacia Initiative for Africa and Shuttleworth Foundation Intellectual Property Rights programme in C. Armstrong, J. De Beer, D Kawooya, A Prabhala, T Schonwetter (eds) (This book was launched on Saturday, July 31, 2010 at the University of Cape town, South Africa July 31, 2010) (peer reviewed). (2010)

POPULATION STUDIES AND 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 to backstop the government in the field of population and development.

Courses offered

In the year under review, the Institute offered programs at master's and doctorate levels in the area of population studies.

Enrolment

In 2010, the Institute graduated the following students:

MA in Population Studies 33**MSc in Population Studies 12****Ph.D 10****International student component**

The Institute had one foreign student from

Rwanda.

Research Interests and international links and collaborations

In 2010, the Institute engaged in research on: reproductive health; HIV /AIDS, Study of adolescence, and, research in population related issues.

The Institute maintained links with: Tulane University, UNFPA, University of Washington, and the south – south initiative

Publications

- Mwaura, F, Kimani,M and Nyandega,I(2010) State of the Kenya Population 2009, National Coordinating Agency for Population and Development, Nairobi, Kenya.
- Mutuku, A.K., M. Kimani& M. Magadi (2010). Fertility in Kenya: Analysis of birth intervals in Kenya. VDM Verlag. Saarbrucken. Germany.
- Agwanda, A (2010) Investigating the association between HIV/AIDS and Recent Fertility Patterns in Kenya. Social Science and Medicine 71 (2010)
- Ikamari, L (2010) The re-positioning of IVCDs in Kenya: A case study of a best practice of family planning in Kenya. Partners in Population and Development, Bangladesh.

Graduands

MSc	3
MA	7

SCHOOL OF ECONOMICS

Background

The School of Economics was born in 2006 out of the former Department of Economics – one of the largest departments in the University of Nairobi. In 2010, the School produced the largest pool of economists in Kenya and in East Africa, with an academic staff establishment of more than fifty.

Offered Courses

In the year under review, the School offered

specialized training in economics at the bachelors, master's and doctoral levels as follows: bachelor of economics; bachelor of economics and statistics; master of arts in the economics of multilateral trading systems, in addition to the earlier MA. in economics and MA. in economic policy management; and a taught Ph.D. programme. The School mounted a Collaborative PhD Programme (CPP) supported by the African Economic Research Consortium (AERC); and PhD by Thesis only.

Enrolment

The School enrolled 2000 undergraduate students and 180 postgraduate students. In addition, the School taught 1500 undergraduate students registered in the Faculty of Arts; and 2500 students registered in the School of Business as well as a number of student pursuing courses in various colleges of the University.

Graduands

Masters	31
Ph.D	1

International students Enrolments

The School had 15 foreign students.

International Links and Collaborations

The School enjoyed close research/training collaboration 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 interaction with the School of Mathematics, Institute of Development Studies, 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.

Research Interests

The School had a big research capacity that included: development economics, health economics, environmental and resource economics, macro economics, trade and finance, industrial and enterprise economics. The specific research carried out includes: Institutions and

Gender Inequality: A Case Study of Constituency Development Fund in Kenya, to OSSREA in May 2010; Informality and productivity; Values in Institutions; Multidimensional Poverty, Maternal and Child Nutrition in Kenya. Research funded by IDRC, through the Poverty and Economic Policy (PEP) Research Network: 2009-2010; Institutional Isolation in Sustainable Land Management and Agricultural Productivity in Kenya. Research funded by SIDA/IDRC through the Centre of Environmental Economics and Policy (CEEPA): 2008-2010; Understanding the Linkages between Poverty and Growth in Kenya. Financed by African Economic Research Consortium (AERC): 2010-2011; and, 'The Competitiveness of the Financial Services in Africa: A Case Study of Kenya'. Supported by the African Development Bank (AfDB).

Publications

- Kiriti-Nganga, T. and C. Tisdell (2010), Gender Inequality in Agricultural Households in Kenya: Economic Analysis, Germany: Lambert Academic Publishers.
- Kiriti Nganga, T. and Kirori, G. (2010), "Global Economic and Financial Crisis and Trade, Kenya's Experience" International Journal of Business Policy and Economics, Vol. 3, No. 2, pp. 139-156.
- Kiriti-Nganga, T. (2010), "Economic Development and Food Security in Kenya: The Shamba System", In Globalization and Development: Country Experiences, Edited by Kartik Roy and Anita Medhekar, Nova Science Publishers, New York: USA, pp. 147-160.
- Kabubo-Mariara, J. (2010). Agricultural Productivity and Environmental Conservation in Kenya: Implications for Poverty Reduction. Lambert Academic Publishing. Saarbrücken, Germany. ISBN 978-3-8383-4877-3.
- Cockburn, J. and J. Kabubo-Mariara (2010). Child Welfare in Developing Countries (co-edited book) Springer/PEP/IDRC. New York. ISBN 978-1-4419-6337-6.
- Kabubo-Mariara, J. (2010). Poverty-environmental links: the impact of soil and water conservation and tenure security on household welfare in Kenya. (with V. Linderhof, G. Kruseman, et al.) Journal of Development and Agricultural Economics. Vol.2 (1): 41-53, 2010
- Kabubo-Mariara, J. (2010). "Global Climate Change and Vulnerability of African Agriculture: Implications for Resilience and Sustained Productive Capacity." (With Molua E.L., Benhin J., Ouedraogo M., and S. El-Marsafawy). Quarterly Journal of International Agriculture. Vol. 49 (2010), No. 3: 183-211
- Kabubo-Mariara, J. (2010). The effect of Protest Zeros on Estimates of Willingness to Pay in Healthcare Contingent Valuation Analysis. With W. M. Fonta and H. E. Ichoku, Applied Health Economics and Health Policy. 2010: 8(4) 225-37
- Kabubo-Mariara, J. (2010). Does Land Tenure Security Matter for Investment in Soil and Water Conservation? Evidence from Kenya (with Linderhof V. & G. Kruseman). African Journal of Agricultural and Resource Economics-AFJARE. 4(2), June 2010
- Mweha, F.M. in Kenya, in Wolfgang Fengler and Homi Kharas, Editors, Delivering Aid Differently, Brookings Institution Press, 2010.
- Mweha, F.M. 'The Effects of the Global Financial Crisis: A Case Study of Kenya Phase II'. Overseas Development Institute (ODI) Discussion Paper, London, January 2010.
- Mweha, F.M et al. Exchange Rate Management and Capital Flows, in Christopher Adam, Paul Collier and Njuguna Ndung'u, Kenya: Policies for Prosperity, OUP, November 2010.

SCHOOL OF JOURNALISM AND MASS COMMUNICATION

Introduction

The School was founded in 1970 as a project of UNESCO with the support from Denmark, Norway, and Australia to cater for students from Eastern and Central Africa. The aim of the school was then 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 addition, the school started offering a masters degree in communication studies in 2001. In January 2006, the School 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 the list of courses offered by the School in May 2010.

Courses offered

In the year under review, 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 & Media Studies; Bachelor of Arts in Broadcast Production.

Enrollment

Ph.D in Communication and Information Studies	-	7
M.A Communication Studies	-	93
B.A Journalism & Media Studies	-	363
B.A Broadcast Production	-	96

International student component

In 2010, the School enrolled five foreign students.

Research activities undertaken

The role of development communication for social change in attaining the millennium development goals and vision 2030 in Kenya.

The role of communication for social change as an integral component of sanitation projects: the case of Kibera; A research project in partnership with University of Denver.

Publications

- Oriare, P.(2010) The Media we want, Friedrich Ebert Stiftung: Nairobi
- Oriare P. (2010) Mass Media in Kenya, Jomo Kenyatta Foundation, Nairobi.

Graduands

In 2010, the School graduated the following numbers:

M.A Communication Studies	52
B.A Journalism & Media Studies	85

SCHOOL OF BUSINESS

Introduction

The School of Business continued to make great strides in its bid to achieve its mission, vision and core values in line with those of the University.

The School offered three programmes i.e. Bachelor of Commerce (B.COM), Master of Business Administration (MBA) and Doctor of Philosophy in Business Administration (Ph.D).

Enrolment

In 2010, the School had a student population of over 15,000 students.

Graduands

In 2010, the School graduated the following numbers:

B.Com	690
MBA	755
Ph.D	4

Expansion of Satellite Campuses

During 2010, the School and its satellite campuses experienced a steady growth in student numbers. The Mombasa Campus had over 1300 students while Kisumu Campus had a student population of about 700 students.

Collaborations, Linkages and Conferences

During the above period, the School of Business through the Barclays Bank of Kenya established an endowment chair in the department of finance and accounting. The School remained an active member of the Association of African Business Schools (AABS) which acts as a benchmarking body for business schools across Africa. The School successfully hosted the first African international business and management conference (AIBUMA) in August 2010. The School participated in the Operations Research Society of East Africa (ORSEA) conference.

Papers presented

- Nzuve, S,N,M.(2010) Produced 2nd level draft for a chapter on ICT Policies for Prosperity. Work in progress in Chapter 14 in the book Policies for Prosperity on Kenya.

Problems and Challenges

With the introduction of the B.Com Module II Day programme in Lower Kabete Campus, the School of Business experienced shortage of teaching space. In order for the School to continue admitting B.Com Module II students in Lower Kabete Campus, the School requires two more lecture theatres and four medium lecture rooms.

The School requires a utility van to facilitate movement of staff to and from its various teaching locations in Nairobi.



School of Business led by the immediate former Principal, Prof. Isaac Mbeche receive a cheque from Kenya Power and Lighting Company for the 2010 AIBUMA Conference.



8.00 Students Admission Statistics

1. CAVS-College of Agriculture and Veterinary Sciences

DEGREE PROGRAMMES	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		Other Years		Sub total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
A138-DIPLOMA IN CROP PROTECTION	1	1	0	0	0	0	0	0	0	0	0	0	2	0	3	1	4
A22-B.Sc. (AGRICULTURE)	50	29	57	32	66	23	42	18	0	0	0	0	0	0	215	102	317
A24-B.Sc. (FOOD SCIENCE & TECHNOLOGY)	17	16	22	21	18	17	9	12	0	0	0	0	1	1	67	67	134
A25-B.Sc. (RANGE MANAGEMENT)	17	8	25	9	26	8	22	9	0	0	0	0	0	0	90	34	124
A26-B.Sc. MANAGEMENT OF AGROECOSYSTEMS & ENVIRONMENT	20	12	20	17	19	14	12	4	0	0	0	0	1	0	72	47	119
A501-MASTER OF SCIENCE IN AGRICULTURAL ECONOMICS	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
A502-MASTER OF SCIENCE IN PLANT BREEDING	1	0	4	5	0	0	0	0	0	0	0	0	0	0	5	5	10
A503-MASTER OF SCIENCE IN HORTICULTURE	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	3
A505-MASTER OF SCIENCE IN RANGE MANAGEMENT	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
A506-MASTER OF SCIENCE IN AGRICULTURAL RESOURCE MANAGEMENT	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	3
A507-MASTER OF SCIENCE IN CROP PROTECTION	3	1	3	2	0	0	0	0	0	0	0	0	0	0	6	3	9
A509-MASTER OF SCIENCE AGRONOMY	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
A510-MASTER OF SCIENCE IN APPLIED HUMAN NUTRITION	1	3	1	0	0	0	0	0	0	0	0	0	1	0	3	3	6
A511-MASTER OF SCIENCE IN (FOOD SCIENCE AND TECHNOLOGY)	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
A512-MASTER OF SCIENCE IN (AGRICULTURAL AND APPLIED ECONOMICS)	2	2	3	4	0	0	0	0	0	0	0	0	0	0	5	6	11
A514-MSc IN AGRICULTURAL INFORMATION AND COMMUNICATION MANAGEMENT	5	1	10	5	0	1	0	0	0	0	0	0	0	0	15	7	22

B02-BACHELOR OF ARCHITECTURE	46	27	47	25	45	21	47	9	44	8	35	9	0	1	264	100	364
B03-B.A (BUILDING ECONOMICS)	1	0	0	0	2	0	43	7	0	0	0	0	0	0	46	7	53
B04-B.A. (LAND ECONOMICS)	8	1	7	1	49	20	31	11	0	0	0	0	0	2	95	35	130
B135-DIPLOMA IN ESTATE AGENCY & PROPERTY MNGT	15	2	0	0	0	0	0	0	0	0	0	0	2	3	17	5	22
B50-MASTER OF ARTS IN CONSTRUCTION MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	17	2	17	2	19
B52-MASTER OF ARCHITECTURE (M.ARCH).	1	1	0	0	0	0	0	0	0	0	0	0	1	0	2	1	3
B63-MASTER OF ARTS IN PLANNING	8	0	0	0	0	0	0	0	0	0	0	0	3	1	11	1	12
B65-B.A (URBAN & REGIONAL PLANNING)	36	13	46	8	33	12	29	6	0	0	0	0	3	2	147	41	188
B66-BACHELOR OF QUANTITY SURVEYING	47	12	51	11	49	9	28	2	0	0	0	0	5	2	180	36	216
B76-BACHELOR OF CONSTRUCTION MANAGEMENT	38	5	32	4	30	4	25	1	0	0	0	0	0	0	125	14	139
B92-M.A. IN VALUATION AND PROPERTY MANAGEMENT	2	1	0	0	0	0	0	0	0	0	0	0	3	0	5	1	6
B_04-BACHELOR OF REAL ESTATE	39	22	69	15	1	0	0	0	0	0	0	0	0	1	109	38	147
W50-MASTER OF URBAN MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
B05-B.A. (DESIGN)	41	32	37	38	25	27	31	22	0	0	0	0	2	3	136	122	258
B51-MASTER OF ARTS IN DESIGN	4	6	1	0	0	0	0	0	0	0	0	0	0	0	5	6	11
COLLEGE SUB TOTALS:	767	223	788	201	661	175	703	110	425	52	35	9	73	25	3,452	795	4,247

2. CAE-College of Architecture and Engineering

DEGREE PROGRAMMES	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		Other Years		Sub- total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	F16-B.Sc. (CIVIL ENGINEERING)	140	28	154	33	123	31	98	15	92	12	0	0	0	0	607	
F17-B.Sc. (ELECTRICAL ENGINEERING)	121	21	142	25	153	19	123	12	137	11	0	0	3	0	679	88	767
F18-B.Sc. (MECHANICAL ENGINEERING)	111	15	119	19	95	10	71	3	78	7	0	0	1	0	475	54	529
F19-B.Sc.(GEOSPATIAL ENGINEERING)	33	7	36	8	24	11	30	5	34	7	0	0	0	0	157	38	195
F21-B.Sc. (ENVIRONMENTAL AND BIOSYSTEMS ENGINEERING)	43	22	46	14	32	11	35	4	40	7	0	0	0	0	196	58	254
F39-BACHELOR OF TECHNOLOGY (TELECOMMUNICATION ENGINEERING)	0	0	0	0	0	0	26	6	0	0	0	0	0	0	26	6	32
F40-BACHELOR OF TECHNOLOGY(ELECTRONIC ENGINEERING)	0	0	0	0	0	0	31	2	0	0	0	0	0	0	31	2	33
F47-BACHELOR OF TECHNOLOGY (INSTRUMENTATION & CONTROL ENGINEERING)	0	0	0	0	0	0	26	4	0	0	0	0	0	0	26	4	30
F48-BACHELOR OF TECHNOLOGY (ELECTRICAL POWER ENGINEERING)	0	0	0	0	0	0	29	1	0	0	0	0	0	0	29	1	30
F535-MASTER OF SCIENCE IN ENVIRONMENTAL AND BIOSYSTEMS ENGINEERING	5	0	0	0	0	0	0	0	0	0	0	0	4	0	9	0	9
F537-MASTER OF SCIENCE IN CIVIL ENGINEERING	11	5	0	0	0	0	0	0	0	0	0	0	4	3	15	8	23
F538-MASTER OF SCIENCE IN GEOGRAPHICAL INFORMATION SYSTEM	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	3
F541-MASTER OF SCIENCE IN ELECTRICAL AND INFORMATION ENGINEERING	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
F542-MASTER OF SCIENCE IN ENERGY MANAGEMENT	5	1	0	0	0	0	0	0	0	0	0	0	6	0	11	1	12
F56-MASTER OF SCIENCE IN ENGINEERING	4	2	1	0	0	0	0	0	0	0	0	0	16	1	21	3	24
F80-DOCTOR OF PHILOSOPHY IN ENGINEERING	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
S56-MASTER OF SCIENCE (NUCLEAR SCIENCE)	4	0	0	0	0	0	0	0	0	0	0	0	0	4	2	6	6

B02-BACHELOR OF ARCHITECTURE	46	27	47	25	45	21	47	9	44	8	35	9	0	0	1	264	100	364
B03-B.A (BUILDING ECONOMICS)	1	0	0	0	2	0	43	7	0	0	0	0	0	0	0	46	7	53
B04-B.A. (LAND ECONOMICS)	8	1	7	1	49	20	31	11	0	0	0	0	0	0	2	95	35	130
B135-DIPLOMA IN ESTATE AGENCY & PROPERTY MNGT	15	2	0	0	0	0	0	0	0	0	0	0	2	3	17	5	22	
B50-MASTER OF ARTS IN CONSTRUCTION MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	17	2	17	2	19	
B52-MASTER OF ARCHITECTURE (M.ARCH).	1	1	0	0	0	0	0	0	0	0	0	0	1	0	2	1	3	
B63-MASTER OF ARTS IN PLANNING	8	0	0	0	0	0	0	0	0	0	0	0	3	1	11	1	12	
B65-B.A (URBAN & REGIONAL PLANNING)	36	13	46	8	33	12	29	6	0	0	0	0	3	2	147	41	188	
B66-BACHELOR OF QUANTITY SURVEYING	47	12	51	11	49	9	28	2	0	0	0	0	5	2	180	36	216	
B76-BACHELOR OF CONSTRUCTION MANAGEMENT	38	5	32	4	30	4	25	1	0	0	0	0	0	0	125	14	139	
B92-M.A. IN VALUATION AND PROPERTY MANAGEMENT	2	1	0	0	0	0	0	0	0	0	0	0	3	0	5	1	6	
B_04-BACHELOR OF REAL ESTATE	39	22	69	15	1	0	0	0	0	0	0	0	0	1	109	38	147	
W50-MASTER OF URBAN MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3	
B05-B.A. (DESIGN)	41	32	37	38	25	27	31	22	0	0	0	0	2	3	136	122	258	
B51-MASTER OF ARTS IN DESIGN	4	6	1	0	0	0	0	0	0	0	0	0	0	0	5	6	11	
COLLEGE SUB TOTALS:	767	223	788	201	661	175	703	110	425	52	35	9	73	25	3,452	795	4,247	

3. CBPS-College of Biological and Physical Sciences

DEGREE PROGRAMMES	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		Other Years		Sub total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
P15-B.Sc. COMPUTER SCIENCE	67	15	83	18	66	22	41	9	0	0	0	0	0	7	0	264	64	328
P56-M.Sc. INFORMATION SYSTEMS	19	7	6	2	0	0	0	0	0	0	0	0	0	52	11	77	20	97
P58-M.Sc. COMPUTER SCIENCE	45	10	10	1	0	0	0	0	0	0	0	0	0	36	5	91	16	107
I11-B.Sc. (Biology)	32	12	37	12	32	15	12	6	0	0	0	0	0	0	0	113	45	158
I23-B.Sc. MICROBIOLOGY AND BIOTECHNOLOGY	48	29	40	21	30	27	32	26	0	0	0	0	0	1	0	151	103	254
I41-B.Sc. ENVIRONMENTAL CONSERVATION & NATURAL RESOURCE MANAGEMENT	40	23	41	28	37	11	19	9	0	0	0	0	0	0	0	137	71	208
I41M3-B.Sc. ENVIRONMENTAL CONSERVATION & NATURAL RESOURCE MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
I576-MASTER OF SCIENCE IN GENETICS	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
I585-MASTER OF SCIENCE IN APPLIED PHYSIOLOGY AND CELLULAR BIOLOGY	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
I587-MASTER OF SCIENCE IN APPLIED PARASITOLOGY	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	6	2	8
I588-MASTER OF SCIENCE IN TAXONOMY & ECONOMIC BOTANY	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
I592-MASTER OF SCIENCE IN BIOLOGY OF CONSERVATION	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	5	5	10
I594-MASTER OF SCIENCE IN AGRICULTURAL ENTOMOLOGY	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
I601-MASTER OF SCIENCE IN MICROBIOLOGY	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
L23-B.Sc. MICROBIOLOGY AND BIOTECHNOLOGY	1	0	2	0	0	0	0	0	0	0	0	0	0	1	0	4	0	4
I07-B.Sc. ACTUARIAL SCIENCE	71	50	83	52	95	58	84	58	0	0	0	0	0	2	0	335	218	553
I07M3-B.Sc. ACTUARIAL SCIENCE	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1

I09-B.Sc. (MATHEMATICS)	28	10	26	5	21	10	14	2	0	0	0	0	0	1	0	90	27	117
I46-POSTGRADUATE DIPLOMA IN ACTUARIAL SCIENCE	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5	0	5
I574-MASTER OF SCIENCE IN ACTUARIAL SCIENCE	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
I586-MASTER OF SCIENCE IN BIOMETRY	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
I589-MASTER OF SCIENCE IN STATISTICS	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	1	4
I591-MASTER OF SCIENCE IN SOCIAL STATISTICS	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3	10
I593-MASTER OF SCIENCE IN APPLIED MATHEMATICS	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
I63-B.Sc. STATISTICS	31	15	32	16	20	13	32	14	0	0	0	0	0	0	0	115	58	173
I08-B.Sc. (INDUSTRIAL CHEMISTRY)	23	13	24	8	20	10	27	8	0	0	0	0	0	7	0	101	39	140
I08M3-B.Sc. (INDUSTRIAL CHEMISTRY)	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	3
I10-B.Sc. (METEOROLOGY)	36	8	44	18	40	22	44	8	0	0	0	0	0	0	0	164	56	220
I10M3-B.Sc. (METEOROLOGY)	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	3	1	4
I11M3-B.Sc. (BIOLOGY)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
I13-B.Sc. (GEOLOGY)	38	14	47	12	31	8	19	6	0	0	0	0	0	0	0	135	40	175
I13M3-B.Sc. (GEOLOGY)	1	1	5	0	0	0	0	0	0	0	0	0	0	10	1	16	2	18
I14-B.Sc. ANALYTICAL CHEMISTRY	4	0	3	1	0	0	0	0	0	0	0	0	0	0	0	7	1	8
I20-BACHELOR OF SCIENCE	164	68	139	56	154	44	118	42	0	0	0	0	0	0	0	575	210	785
I20M3-BACHELOR OF SCIENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
I23M3-B.Sc. MICROBIOLOGY AND BIOTECHNOLOGY	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	3	0	3
I39-B.Sc (MICROPROCESSOR TECHNOLOGY & INSTRUMENTATION)	22	3	29	6	6	1	7	4	0	0	0	0	0	0	0	64	14	78
I42-BACHELOR OF SCIENCE IN PHYSICS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
I44-B.Sc. IN ASTRONOMY AND ASTROPHYSICS	19	1	14	3	0	0	0	0	0	0	0	0	0	0	0	33	4	37

I48-POSTGRADUATE DIPLOMA IN NATURAL AND ENVIRONMENTAL DISASTER MANAGEMENT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
I56-MASTER OF SCIENCE	7	2	5	0	0	0	0	0	0	0	0	0	0	0	25	9	37	11	48				
I569-Msc. IN PURE CHEMISTRY	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1				
I571-MASTER OF SCIENCE IN CHEMISTRY	4	2	1	0	0	0	0	0	0	0	0	0	0	3	1	8	3	11					
I572-MASTER OF SCIENCE IN ENVIRONMENTAL CHEMISTRY	5	2	1	0	0	0	0	0	0	0	0	0	0	4	0	10	2	12					
I579-MASTER OF SCIENCE IN PHYSICS	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2	6					
I580-MASTER OF SCIENCE IN GEOLOGY	12	4	0	0	0	0	0	0	0	0	0	0	1	0	13	4	17						
I581-MASTER OF SCIENCE IN METEOROLOGY	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2					
I582-MASTER OF SCIENCE IN AGROMETEOROLOGY	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2					
I80-P.H.D.	0	0	3	3	1	2	0	0	0	0	0	0	2	0	6	5	11						
L13-Bsc GEOLOGY (DISTANCE LEARNING)	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	5						
L20-Bsc (DISTANCE LEARNING)	3	0	2	0	2	0	3	0	0	0	0	0	4	2	14	2	16						
I583-MASTER OF SCIENCE IN BIOINFORMATICS	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4					
I584-MASTER OF SCIENCE IN BIOTECHNOLOGY	0	2	4	3	0	0	0	0	0	0	0	0	0	0	0	4	5	9					
COLLEGE SUB TOTALS:	761	312	687	267	555	243	452	192	0	0	0	174	30	2,629	1,044	3,673							

4. CEES-College of Education and External Studies

DEGREE PROGRAMMES	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		Other Years		Sub total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
E122-DIPLOMA IN EARLY CHILDHOOD EDUCATION	50	37	0	0	0	0	0	0	0	0	0	0	0	0	50	37	87	
E35-BACHELOR OF EDUCATION (ARTS)	359	202	340	191	273	167	289							157			804	2,222
E37-BACHELOR OF EDUCATION (SCIENCE)	2	0	204	57	179	73	174	37	0	0	0	0	0	4	563	169	732	
E45-BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)	36	30	19	26	24	33	0	0	0	0	0	0	15	94	99	193		
E501-MASTER OF EDUCATION (EDUCATIONAL ADMINISTRATION)	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	
E55-MASTER OF EDUCATION	14	11	5	8	0	2	0	0	0	0	0	0	151	170	148	318		
E56-M.Ed. IN EDUCATIONAL FOUNDATIONS	0	0	1	0	0	0	0	0	0	0	0	0	11	12	18	30		
E57-MASTER OF EDUCATION (EARLY CHILDHOOD EDUCATION)	0	0	0	0	0	0	0	0	0	0	0	0	7	7	13	20		
E58-MASTER OF EDUCATION IN MEASUREMENT AND EVALUATION	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2		
E83-PH.D.(EDUC. STUDIES)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1		
E95-BACHELOR OF EDUCATION (PHYSICAL EDUCATION & SPORTS)	7	10	12	7	10	12	0	0	0	0	0	0	1	30	29	59		
L119-DIPLOMA IN ADULT EDUCATION AND COMMUNITY DEVELOPMENT	43	6	0	0	0	0	0	0	0	0	0	0	0	43	6	49		
L123-DIPLOMA IN BUSINESS MANAGEMENT (FES)	80	65	0	2	0	0	0	0	0	0	0	0	86	166	134	300		
L125-DIPLOMA IN HUMAN RESOURCE MANAGEMENT	73	48	1	0	0	0	0	0	0	0	0	0	37	111	98	209		
L126-DIPLOMA IN PURCHASING AND SUPPLIES MANAGEMENT	51	36	1	0	0	0	0	0	0	0	0	0	52	104	84	188		
L137-DIPLOMA IN PUBLIC RELATIONS	15	23	0	1	0	0	0	0	0	0	0	0	27	42	83	125		

L145-DIPLOMA IN GUIDANCE AND COUNSELING	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	13		
L146-DIPLOMA IN YOUTH DEVELOPMENT WORK	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10		
L35-B.ED.(ARTS) -EXTERNAL STUDIES	135	85	5	1	372	70	5	0	1	0	0	0	0	0	0	0	0	0	0	1,832	3,362	5,351	
L37-B.ED.(SCIENCE) - EXTERNAL STUDIES	7	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	193	239	
L40-PGD IN EDUCATION	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	
L41-PGD IN HUMAN RESOURCE MANAGEMENT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
L42-PGD IN PROJECT PLANNING AND MANAGEMENT	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
L45-MASTER IN DISTANCE EDUCATION	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	8	16
L50-MASTER OF ARTS IN PROJECT PLANNING & MANAGEMENT	166	130	1	1	2	1	5	2	0	0	0	0	0	0	0	0	0	0	0	410	259	584	977
L80-DOCTOR OF PHILOSOPHY IN DISTANCE EDUCATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
L83-PH.D	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	20	47	68
COLLEGE SUB TOTALS:	1,055	698	591	294	861	358	473	191	1	0	0	0	0	0	0	0	0	0	0	4,047	2,654	7,028	11,224

5. CHS-College of Health Sciences

DEGREE PROGRAMMES	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		Other Years		Sub total	Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
H12-Bsc (BIOCHEMISTRY)	23	26	81	57	37	36	1	5	0	0	0	0	0	0	142	124	266
H134-DIPLOMA IN CLINICAL AUDIOLOGY & PUBLIC HEALTH OTOLGY	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
H31-BACHELOR OF MEDICINE AND BACHELOR OF SURGERY	188	201	205	203	210	179	166		97	0	0	0	0	0	790		1,797
H336-PGD IN CLINICAL AUDIOLOGY AND PUBLIC HEALTH OTO.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
H544-MASTER OF MEDICINE IN PSYCHIATRY (M.MED PSYCH.)	1	1	0	0	0	2	0	0	0	0	0	0	0	0	1	3	4
H545-MASTER OF MEDICINE IN OPHTHALMOLOGY	3	2	0	0	3	3	0	0	0	0	0	0	0	0	6	5	11
H546-MASTER OF MEDICINE IN PAEDIATRICS AND CHILD HEALTH	7	10	0	0	0	0	0	0	0	0	0	0	0	0	7	10	17
H547-MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
H554-MASTER OF SCIENCE IN NURSING	2	0	3	1	0	0	0	0	0	0	0	0	0	0	5	1	6
H555-MASTER OF MEDICINE IN ANAESTHESIA	2	3	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5
H556-MASTER OF MEDICINE IN OBSTETRICS AND GYNAECOLOGY	9	4	0	0	0	1	0	0	0	0	0	0	0	0	9	5	14
H557-MASTER OF MEDICINE IN GENERAL SURGERY	9	3	0	0	1	0	0	0	0	0	0	0	0	0	10	3	13
H558-MASTER OF MEDICINE IN INTERNAL MEDICINE	6	5	0	0	1	2	0	0	0	0	0	0	0	0	7	7	14
H559-MASTER OF MEDICINE IN EAR, NOSE AND THROAT SURGERY(E.N.T)	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
H56-M.Sc(MEDICINE)	2	8	5	9	0	0	0	0	0	0	0	0	4	4	11	21	32
H560-MASTER OF MEDICINE IN DIAGNOSTIC IMAGING AND RADIATION MEDICINE	4	2	0	0	0	0	0	0	0	0	0	0	0	0	4	2	6

H561-MASTER OF SCIENCE IN BIOCHEMISTRY	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
H566-MASTER OF MEDICINE IN HUMAN PATHOLOGY	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	
H567-MASTER OF MEDICINE IN NEURO-SURGERY	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	
H568-MASTER OF SCIENCE IN CLINICAL CYTOLOGY	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
H569-MASTER OF MEDICINE IN ORTHOPAEDIC SURGERY	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
H57-MASTER OF PUBLIC HEALTH	6	9	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	33	
H58-MASTER OF MEDICINE IN MEDICINE	11	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	26	46	
H80-DOCTOR OF PHILOSOPHY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
U29-BACHELOR OF PHARMACY	71	54	57	39	50	40	47	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	164	389
U59-MASTER OF PHARMACY IN PHARMACEUTICAL ANALYSIS	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	5
U590-MASTER OF PHARMACY IN CLINICAL PHARMACY	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
V28-BACHELOR OF DENTAL SURGERY	18	22	26	13	25	24	14	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	75	158
V60-M.D.S.	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
V602-MASTER OF DENTAL SURGERY IN ORAL & MAXILLOFACIAL SURGERY	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
V603-MASTER OF DENTAL SURGERY IN PAEDIATRIC DENTISTRY	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
V604-MASTER OF DENTAL SURGERY IN PERIODONTHOLGY	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
V91-PH.D. (DENTAL SURGERY)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
W62-MASTER OF SCIENCE IN MEDICAL STATISTICS	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	8	8
W64-MASTER OF SCIENCE IN TROPICAL & INFECTIOUS DISEASES	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	8
W80-PH.D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
H32-B.Sc. (Nursing)	46	88	46	53	27	43	27	29	0	1	0	0	0	0	0	0	0	0	0	0	0	0	146	215	361

6. CHSS-College of Humanities and Social Sciences

DEGREE PROGRAMMES	1st Year		2nd Year		3rd Year		4th Year		5th Year		6th Year		Other Years		Sub total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
C01-BACHELOR OF ARTS	611	641	498	355	455	354	455	300	0	0	0	0	1,328		3,347	3,183	6,530
C01M3-BACHELOR OF ARTS	35	16	0	1	0	0	0	0	0	0	0	0	63	44	99	61	160
C101-CERTIFICATE IN ENGLISH	4	1	0	0	0	0	0	0	0	0	0	0	8	5	12	6	18
C102-CERTIFICATE IN PHILOSOPHY	2	0	0	0	0	0	0	0	0	0	0	0	3	4	5	4	9
C104-DIPLOMA IN SOCIAL WORK AND SOCIAL DEVELOPMENT	20	25	0	0	0	0	0	0	0	0	0	0	60	90	80	115	195
C107-DIPLOMA IN PHILOSOPHY	0	0	0	0	0	0	0	0	0	0	0	0	7	4	7	4	11
C108-DIPLOMA IN CULTURAL TOURISM	1	4	0	0	0	0	0	0	0	0	0	0	6	11	7	15	22
C118-CERTIFICATE IN NATURAL RESOURCE MANAGEMENT	3	1	0	0	0	0	0	0	0	0	0	0	6	5	9	6	15
C120-DIPLOMA IN CRIMINOLOGY AND SOCIAL ORDER	10	10	0	0	0	0	0	0	0	0	0	0	62	36	72	46	118
C126-DIPLOMA IN NATURAL RESOURCE MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	14	7	14	7	21
C127-DIPLOMA IN ARMED CONFLICT STUDIES IN EASTERN AFRICA	3	3	0	0	0	0	0	0	0	0	0	0	19	12	22	15	37
C130-CERTIFICATE IN NATURAL RESOURCE MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	5
C133-DIPLOMA IN COMMUNITY DEVELOPMENT	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
C136-DIPLOMA IN PSYCHOLOGY	1	1	0	0	0	0	0	0	0	0	0	0	4	20	5	21	26
C144-CERTIFICATE IN CHINESE	1	1	0	0	0	0	0	0	0	0	0	0	3	7	4	8	12
C151-DIPLOMA IN STRATEGIC AND SECURITY STUDIES	29	0	0	0	0	0	0	0	0	0	0	0	31	0	60	0	60
C36-BACHELOR OF PSYCHOLOGY (COUNSELLING)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
C40-POSTGRADUATE DIPLOMA	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2

C50-MASTER OF ARTS	76	69	15	9	1	0	0	0	0	0	0	0	0	0	272	206	364	284	648
C501-MASTER OF ARTS IN POLITICAL SCIENCE AND PUBLIC ADMINISTRATION	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
C503-MASTER OF ARTS IN RELIGIOUS STUDIES	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
C504-MASTER OF ARTS IN ENVIRONMENTAL PLANNING AND MANAGEMENT	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
C507-MASTER OF ARTS IN LINGUISTICS	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
C508-MASTER OF ARTS IN KISWAHILI STUDIES	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
C510-MASTER OF ARTS IN RURAL SOCIOLOGY & COMMUNITY DEVELOPMENT	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	8
C511-MASTER OF ARTS IN MEDICAL SOCIOLOGY	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
C513-MASTER OF ARTS IN LABOUR MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
C514-MASTER OF ARTS IN CRIMINOLOGY	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	2	5
C516-M.A IN ARMED CONFLICT AND PEACE STUDIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
C527-MASTER OF ARTS IN LITERATURE	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
C528-MASTER OF ARTS IN INTERNATIONAL RELATIONS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
C78-BACHELOR OF ARTS IN TRAVEL AND TOURISM MANAGEMENT	10	18	0	0	0	0	0	0	0	0	0	0	0	0	10	13	20	31	51
C79-BACHELOR OF ARTS IN HOSPITALITY MANAGEMENT	21	28	0	0	0	0	0	0	0	0	0	0	0	0	19	29	40	57	97
C80-Ph.D.	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	4
D33-BACHELOR OF COMMERCE	1,176	851	225	108	196	124	168	105	0	0	0	0	0	0	2,593		4,358	2,700	7,058
D33M3-BACHELOR OF COMMERCE	5	6	1	0	0	0	0	0	0	0	0	0	0	0	12	10	18	16	34
D61-MASTER OF BUSINESS ADMINISTRATION	701	519	0	1	0	0	0	0	0	0	0	0	0	0	1,922		2,623	1,641	4,264
D80-DOCTOR OF PHILOSOPHY IN BUSINESS ADMINISTRATION	18	6	1	0	1	0	0	0	0	0	0	0	0	0	119	47	139	53	192
G34-BACHELOR OF LAW	229	257	120	69	112	81	96	72	0	0	0	0	0	0	499	424	1,056	903	1,959

G62-LL. M	24	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	35	74	56	130
T50-MASTER OF ARTS IN DEVELOPMENT STUDIES	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	7	12
T80-DOCTOR OF PHILOSOPHY IN DEVELOPMENT STUDIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
R140-DIPLOMA IN INTERNATIONAL STUDIES	27	17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	35	22	57
R141-DIPLOMA IN STRATEGIC STUDIES	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	34
R40-POSTGRADUATE DIPLOMA INTERNATIONAL RELATIONS	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	4
R47-PGD IN STRATEGIC STUDIES	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8
R50-M.A. INTERNATIONAL STUDIES	42	45	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	45	93	91	184
R51-M.A. DIPLOMACY	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	14	38	30	68
R608-M.A. IN INTERNATIONAL CONFLICT MANAGEMENT	12	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	24	43	42	85
R67-BACHELOR OF ARTS IN INTERNATIONAL STUDIES	30	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	16	49	56	105
R80-PHD	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Q50-M.A. POPULATION	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	14	15	20	35
Q56-M.Sc. POPULATION	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	10	2	12
Q80-POPULATION STUDIES (P.H.D.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
N06-B.A (ANTHROPOLOGY)	51	46	57	46	67	68	61	57	0	0	0	0	0	0	0	0	0	0	0	0	0	236	217	453
N12-BACHELOR OF ARTS (GENDER AND DEVELOPMENT STUDIES)	1	11	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	2	4	3	18	21
N50-M.A. (ANTHROPOLOGY)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	4	6
N69-M.A. IN GENDER AND DEV. STUDIES	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	4	32	36
N79-P.H.D. (ANTHROPOLOGY)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
K50-MASTER OF ARTS IN COMMUNICATION STUDIES	41	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	46	98	78	176
K59-B.A. (JOURNALISM & MEDIA STUDIES)	34	58	4	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	180	289	219	351	570

K62-B.A. (BROADCAST PRODUCTION)	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11	15	20	35
X50-MA ECONOMICS	28	19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	132	42	160	62	222
X501-MA IN ECONOMIC POLICY MANAGEMENT	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
X74-BACHELOR OF ECONOMICS	125	73	132	54	115	70	0	0	0	0	0	0	0	0	0	0	0	0	97	45	469	242	711
X75-BACHELOR OF ECONOMICS & STATISTICS	111	69	105	35	94	42	2	0	0	0	0	0	0	0	0	0	0	0	175	64	487	210	697
X80-DOCTOR OF PHILOSOPHY IN ECONOMICS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	3	13	3	16
Z50-MA IN ENVIRONMENTAL POLICY	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	11	6	17
COLLEGE SUB TOTALS:	3,590	2,983	1,166	684	1,044	742	782	536	0	0	0	0	0	0	0	0	0	0	7,934	5,828	14,516	10,773	25,289
GRAND TOTALS :	6,943	4,862	3,994	1,999	3,765	1,992	2,898	1,327	715	165	35	10	12,322	8,607	30,672	18,962	49,634						



9.00 Financial Statement

STATEMENT OF FINANCIAL POSITION AS AT 30TH JUNE 2010

	2010	2009
	Ksh	Ksh
ASSETS		
Non Current Assets		
Property, Plant and Equipment	36,719,294,314	36,629,971,689
Investments	97,627,766	98,302,138
	36,816,922,080	36,728,273,827
Current Assets		
Inventories	211,501,784	192,165,735
Trade, Receivables and Debit Balances	3,150,633,426	2,891,111,997
Short Term Deposits	863,126,010	470,218,293
Cash and Cash Equivalents	1,080,748,886	670,062,339
	5,306,010,105	4,223,558,364
TOTAL ASSETS	42,122,932,185	40,951,832,191
FUNDS AND LIABILITIES		
Net funds from IGUs and parallel programs	2,562,730,901	2,131,462,280
Special Accounts and Grants	791,393,062	407,237,097
General Fund	37,425,288,478	37,316,148,947
Capital Reserves	161,940,099	251,046,181
Trust and Endowment funds	216,181,924	212,253,526
Endowment for General Purposes	16,181,339	16,181,339
Accumulated Deficit	(86,191,459)	(294,913,005)
	41,087,524,344	40,039,416,365
Current Liabilities		
Trade and Other Payables	964,193,893	588,586,843
Bank OverDraft	71,213,947	323,828,983
	1,035,407,841	912,415,826
TOTAL FUNDS AND LIABILITIES	42,122,932,185	40,951,832,191

STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR ENDED 30TH JUNE 2010

	2010	2009
INCOME	Ksh	Ksh
Capitation Grant	3,585,502,585	3,499,715,372
Special Grant	482,914,170	-
Tuition and other fees	463,536,180	466,671,372
Accreditation fees	920,400	1,151,000
Other services rendered:	64,788,960	126,868,458
Accommodation , Catering and other income	422,310,922	384,629,000
Transfer from IGUs for specific purposes	2,311,149,679	2,055,738,159
	7,331,122,897	6,534,773,361
EXPENDITURE		
Academic Departments	4,302,527,150	3,749,076,461
Administration and Central Services	1,528,159,107	1,437,585,967
Academic services	227,554,064	165,028,787
General educational services	263,679,763	226,807,505
Maintenance of premises	419,160,819	297,292,891
Staff and students facilities and welfare	198,492,466	197,266,798
Welfare authority (Catering services)	173,946,939	158,010,001
Miscellaneous expenditure	8,881,044	10,374,855
	7,122,401,351	6,241,443,265
SURPLUS/ (DEFICIT) FOR THE YEAR	208,721,546	293,330,097
APPROPRIATION ACCOUNT		
Accumulated surplus/(deficit) brought forward	(294,913,005)	(588,243,102)
Surplus/(deficit) for the year	208,721,546	293,330,097
Accumulated surplus/ (deficit) carried forward	(86,191,459)	(294,913,005)

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.

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