

particular, it laid special emphasis on the importance of socio-cultural studies as the basis for appropriate use of science and technology for social and economic development as well as political integration. The Report further insisted on the provision of what it called "foundation teaching: for all undergraduates in Cultural and Development Studies in order to enhance "interaction between Arts and Science students" for their mutual benefits. Accordingly, future leaders of this country should understand its development strategies irrespective of their areas of specialization.

The third cycle of the 8:4:4 system of education, therefore while developing and transmitting knowledge and skill through research and training at undergraduate and postgraduate level, should inter alia:

- Produce mature conscientious graduate with ability and desire to contribute to the development of the country.
- Provide for national service and development which reflect the National Cultural Heritage;
- Foster national consciousness and unity.

In order to meet the goals outlined above, it is desirable to evolve well through-out courses dealing with issues of development, culture social,

ethics, quantitative (statistical) methods, and communication skills which must be followed and passed by every 8:4:4 student during the course of his studies before an award of a Bachelor's degree can be effected. Indeed at its meeting on 4th September, 1987, Senate resolved to set up a board-based Committee to consider the content, contract hours, examination procedure and syllabi for these common courses.

The contents of the common courses are envisaged to be as broad as possible so as to expose the 8:4:4 students to the various development issues in the national life of their country, and to equip them with necessary tools to handle such issues. This is indeed the philosophy of the 8:4:4 education programme which strives to equip the youth with an education that will help them respond positively to the challenges of national development and instil in them a sense of national identity, unity, mutual respect, patriotism and responsibility. The multidisciplinary courses, which should be academically sound and intellectually stimulating, are intended to help the students in the pursuit of their specialised studies with a much broader base of understanding of the general problems facing their country and the solutions being advocated in the hope that on their graduation, they can appreciate their own roles and contribution in nation building efforts.

A good deal of effort has been made to evolve the common courses under several headings:

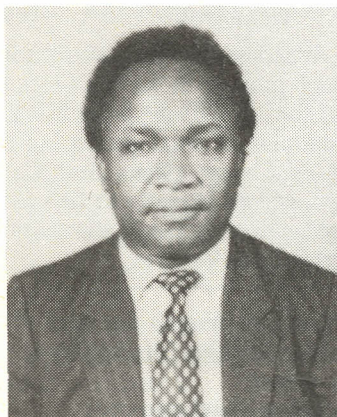
- (a) Development Studies - covering Economics, Ethics, and Law Environmental Studies, Science and Technology, political science and government socio-cultural studies, trade and diplomacy language and literature, philosophy and history of science.
- (b) Communication Skills
- (c) Computer Science
- (d) Research Methodology

For the first time in the history of University Education in Kenya, Universities will therefore be teaching courses which lay more emphasis on the practical aspects. This shift in emphasis calls for new approaches in the design of syllabuses and local data to provoke and sustain students' interest.

These challenges I have enumerated are not unique to Kenyan University System. Our task is therefore to show increased sensitivity to make our universities strong while at the same time producing skilled manpower for our economy. The day to day problems of any Vice-Chancellor in any University in the world are similar - admissions, examinations, staffing, ethics, financing etc. I have not therefore outlined anything unique to Kenya.

Thank you

Professorial Appointments



Prof. Alfred Vincent Otieno has been appointed on promotion as a full Professor in the Department of Electrical and Electronics Engineering.

Education Background.

Prof. Otieno attended Alliance High School before joining Oxford University where he received his B.A.

(Eng.) Honors, and M.Sc. in Electrical Engineering. He also received a M.Sc. honours award in Electrical Engineering at the University of California at Berkeley.

In 1973, he was awarded Ph.D in Electrical Engineering at the University of California - Berkeley.

Teaching and Supervision Record.

Prof. Otieno started University teaching as Assistant Lecturer in Electrical Engineering in the then University of East Africa, Nairobi University College in 1968.

He joined the University of California as Research Assistant in Electrical Engineering in 1972 for one year. He joined the University of Nairobi as Lecturer in the same Department in 1973. In 1975, he was promoted to Senior Lecturer in Department of Electrical Engineering.

In 1976, he was appointed Chairman of the Department of Electrical Engineering, rising to the position of

Dean of the Faculty in 1979. He was first appointed Associate Professor in 1980.

National Activities

He has served as adviser to the Kenya Bureau of Standards technical committee on Symbols, Signs, Definitions; Consultant in teaching equipment for the Mombasa Polytechnic and Consultant for equipment of the Kajiado Water Training School.

Publications:

He has jointly or singly authored over 15 papers some of which have been published in highly respectable international journals.

Current Research:

Prof. Otieno has shown keen research interest in the field of quantum electronics and telecommunications.

Professorial Appointments



Prof. Felix Makau Luti:

Prof. Luti has been appointed on promotion as full Professor in the Department of Mechanical Engineering. He was first appointed Associate Professor in 1987.

Prof. Luti holds a Bachelors and Ph.D degrees in mechanical Engineering from the University of Waterloo in Canada.

Teaching and Supervision:

Prof. Luti taught as special Lecturer (1970) at the University of Waterloo. He joined the University of Nairobi as Lecturer in 1972.

He taught as Lecturer, for four years at the University of the West Indies, Trinidad and Tabago. In 1980 he was appointed Senior Lecturer in the Department of Mechanical Engineering, University of Dar-es-Salaam, Tanzania.

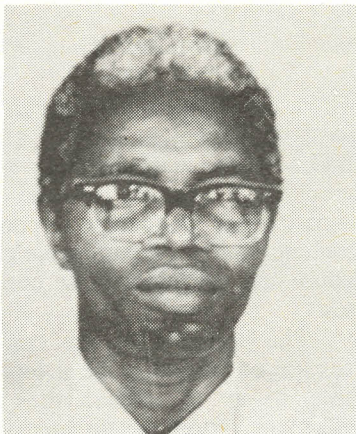
He re-joined the University of Nairobi as Senior Lecturer (1983) in the Department. He is currently the Chairman of the Department.

Publications:

He has a large number of papers to his credit and is currently preparing a manuscript for a text-book entitled 'Fundamentals of Engineering Thermodynamics'.

Administrative Experience:

He is currently the Chairman of the Department of Mechanical Engineering and Acting Dean of the Faculty of Engineering.



Prof. Philip N. Nyaga has been appointed on promotion as professor in the Department of Veterinary Pathology and Microbiology.

Education Background

Prof. Nyaga received his Bachelor of Veterinary Medicine (BVM) from the University of Nairobi in 1973. He joined the University of California Davis graduating in MPVM and Ph.D.

Because of his exceptionally outstanding performance at the university of California Davis, Prof. Nyaga received the awards of M.P.V.M. and Ph.D within a record two years.

Teaching and supervision record

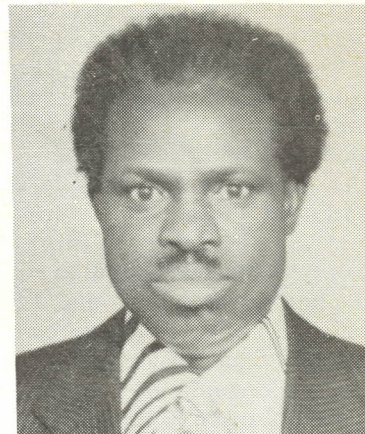
Prof. Nyaga has taught both undergraduate and postgraduate students since he joined the department in 1975. He has supervised 30 Msc. and 15 Ph.D students.

Publications

He has published 26 papers in nationally and internationally reputable journals in addition to other papers currently in process.

Research

Prof. Nyaga has conducted various research projects and actively engaged in the dissemination of research findings through publications. His current research in the Development of monoclonal antibodies to hepas virus antigen may give lead to the control of the deadly disease - AIDS.



Prof. Joshua Wandera of the Department of Veterinary Pathology and Microbiology has been appointed on promotion as full professor.

Education Background

Prof. Wandera studied at Makerere University and Michigan State University College of Veterinary Medicine graduating with a diploma in Veterinary Medicine, M.Sc. and Ph.D in Veterinary Pathology respectively.

Teaching and supervision record

Prof. Wandera joined the Department of Veterinary Medicine as Lecturer in 1965. He was promoted to Senior Lecturer in 1971, and to associate Professor in 1974, a position he held until his promotion to full professorship.

By specialization, Prof. Wandera is a functional pathologist. Since he joined, the Department, he has supervised eight M.Sc. students and one Ph.D student.

Publications

Prof. Wandera has published 27 papers in reputable journals.

Research

Prof. Wandera has successfully conducted research projects in various fields ranging from the study and classification of pneumonias of food producing animals such as Sheep, Goats and Calves in Kenya, cancer in cattle to fish pathology in connection with periodic massive fish deaths in Lake Victoria.

Promotions

Dr. P.O. Ayiecho, of the Department of Crop Science has been appointed on promotion as Senior Lecturer.

Education Background:

Dr. Ayiecho holds a B.Sc. (Agriculture) and M.Sc. (Plant Breeding) from the University of Nairobi. In 1989 he was awarded a Ph.D (Genetics) from the University of California, Davis.

Teaching and Supervision

He has served as tutorial fellow in the Department from 1980 until he was appointed Lecturer in 1985. He has supervised 4 M.Sc. students and has 6 others currently under his supervision.

Publication:

He has submitted 8 papers for publications.

Research:

Dr. Ayiecho has developed Research interests in two areas - Field Bean screening for Dryland conditions and the survey of oil/protein seed in Crop Production.

Dr. Maria W. Nzomo has been promoted to Senior Lecturer in the Department of Government.

Education Background:

She attended University of Nairobi (1974), McMaster University 1975 and Dalhousie University (1981) where she received her B.A. (Political Science), M.A., and Ph.D respectively.

Teaching and Supervision:

Dr. Nzombo has taught several third year students and supervised a number of M.A. students. She joined the