REVISED PROGRAMME OF THE BACHELOR OF SCIENCE DEGREE IN MATHEMATICS

Justification

Lack of qualified personnel in mathematics is a profound problem in our contemporary society. It is against this background that the programme was established.

Objectives

The programme is designed to train high-level mathematicians who, upon graduation, can:

a)   teach in secondary schools and tertiary institutions,

b)   work in research institutions, government ministries and industries,

c)   pursue a postgraduate degree in mathematics.

DEGREE REGULATIONS

I.   Entry Requirements

a)   The "Common Regulations" for all Bachelor degrees in the University shall apply.

b)   The "Common Regulations" for all Bachelor degrees in the Faculty of Arts and Social Sciences of the University shall apply.

c)   The Department will admit :

   (i)   to the four-year programme, applicants with a minimum grade of C in mathematics in the Kenya Certificate of Secondary Education examination or its equivalent.

   (ii)   to the three-year programme, applicants with a principal pass in mathematics in the Kenya Advanced Certificate of Education examination or its equivalent.

   (iii)   to the two-year programme, applicants with a credit in mathematics at diploma level or its equivalent.

II.   Degree Patterns and Course Duration

The Four-Year Programme

a)   In their first year, students shall take the two common university units, GS 100 and GS 101, and twelve units in mathematics.

b)   In their second, third and fourth years they shall take fourteen units in mathematics each year.

c)   In their third and fourth years, students may specialise in either Applied Mathematics, Pure Mathematics or Statistics by taking all the units in their area of specialisation.

The Three-Year Programme

a)   In their first year, students shall take the common university unit GS 100, and thirteen units in mathematics.

b)   In their second and third year, they shall take fourteen units in mathematics each year.