COMMISSION FOR HIGHER EDUCATION
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FACULTY OF EDUCATION AND SOCIAL SCIENCES

DEPARTMENT OF EDUCATION

PROPOSED CURRICULUM FOR:

BACHELOR OF EDUCATION (SCIENCE)

SUBMITTED TO:

COMMISSION FOR HIGHER EDUCATION

NAIROBI

JANUARY 2011

This Proposal was approved by the Commission for Higher Education on
23/03/2011
AUTHORISED SIGNATURE

81834/11

2.0 THE CURRICULUM

2.1 Bachelor of Education (Science)

2.2 Philosophy of the Programme

The programme's philosophy is to produce a wholesome individual who is intellectually, spiritually and physically developed in order to use the opportunities available for the development of Science Education and enhancement of the quality of life.

2.3 Rationale of the Programme

KeMU has been offering Bachelor of Education and counselling (science) degree since the inception of the University. The main thrust for the degree was to ensure that the graduating teachers are competent in both education and counselling. However, under this arrangement, the graduates have expressed their serious need to be more grounded not only in education but also in subject areas. In order to facilitate this, the University has considered the graduates need and has therefore introduced a degree programme that is entrenched in humanities. The purpose of the B.Ed (science) degree is to enhance the knowledge of the student in order to meet the demands of the emerging challenges of teaching sciences in educational institutions in Kenya. The programme also offers an opportunity for practising teachers to upgrade their education and become leaders in secondary and tertiary education. Its strong tradition of entrenchment of education guidance and counselling courses makes it unique from B.Ed (science) programmes offered in other universities in Kenya.

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2.4 Goals of the Programme

The main aim of the programme is to produce graduates with knowledge, skills and competence to competently teach in secondary schools and tertiary institutions in the following subjects;

2.4.1 Biology
2.4.2 Chemistry
2.4.3 Computer Applications and Systems
2.4.4 Geography
2.4.5 Mathematics
2.4.6 Physical Education
2.4.7 Physics

Every teacher trainee is expected to register in two (2) of the above teaching subjects

2.5 Expected Learning Outcomes

At the end of the programme the student should be able to;

(a) Prepare acceptable teaching plans for secondary school instruction in the science area of specialization.

(b) Make a critical appraisal of any emerging issues in science education.

(c) Evaluate programmes in the development and teaching of secondary school science education.

(d) Provide leadership in the development and implementation of science education programmes.

(e) Carry out relevant research in the areas of Science Education.