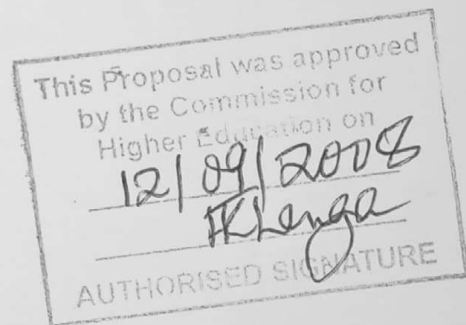


The Catholic University of Eastern Africa

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PhD. Programme in Mathematics



**Submitted to
The Commission for Higher Education Nairobi,
February 2007**

28/4/465

2.0 DOCTOR OF PHILOSOPHY IN MATHEMATICS

2.0.1 RATIONALE

The Ph.D Programme in the Department of Mathematics is designed to prepare students to develop high level of research capacity, and creative thinking in the area of specialization. The program aims at producing graduates capable of teaching at universities and other institutions, project managers in the implementation of multidisciplinary or inter-disciplinary projects and policy advisors in their various areas of specialization.

2.0.2 OBJECTIVE

The objectives of the programme are to:

- (a) Establish a research oriented environment in which students may study advanced topics in Mathematics beyond the Master's degree level.
- (b) Enable students to participate in state-of-the art research that contributes to the advancement of Mathematics
- (c) Develop in-depth knowledge and expertise in students' areas of specialization.
- (d) Integrate theory and practice in Mathematics
- (e) Enable students to demonstrate a mastery of the literature in their chosen fields of study, including the ability to rigorously critique previously published work..

2.1 ACADEMIC REGULATIONS FOR THE PROGRAMME

2.1.1 Admission Requirements

- a) The "common regulations" for the degree of Doctor of Philosophy of the Catholic University of Eastern Africa shall apply.
- b) In addition, the candidates must hold an M.Sc/M. Phil degree in Mathematics or must hold an advanced post-graduate diploma related to the area of specialization recognised by the Catholic University of Eastern Africa.

2.1.2 Student Assessment Policy

- a) Continuous Assessment – Continuous assessment will be carried out throughout the semester and will constitute 40% of the total mark.
- b) End-of-Semester Examinations – Each student will be required to take an end-of-semester examination. This shall constitute 60% of the total mark for each course.
- c) Practicals will be part of continuous assessment and / or end-of-the semester examinations.
- d) Other Assessments – Each student will be required to conduct research and write a dissertation.

2.1.3 Evaluation of Teaching

Students and the Head of Department shall carry out evaluation of teaching. Students shall be given an opportunity to rate confidentially their lecturers close to the end of each semester. Completed student evaluation forms shall be forwarded to the Dean of Faculty for analysis. Other methods of evaluation which shall be used are: assessment of students