STATUTE E7

DEGREE OF MASTER OF EDUCATION (MATHEMATICS EDUCATION)

Part I: Admission

1. For admission as a candidate for the degree of Master of Education (Mathematics Education), a person must:
   
   (a) be a graduate of this University or such graduate of another university as the Academic Board, on the recommendation of the Head, NIE Centre for Educational Research and Head, Division of Mathematics, may approve and must have a good Bachelor’s degree with a major in Mathematics or its equivalent; and
   
   (b) possess a teaching qualification (e.g. Cert. in Ed, Dip Ed, PGDE); and
   
   (c) have at least two years experience in teaching Mathematics.
   
   or
   
   (d) possess other qualifications and experience as the Academic Board may approve.

Part II: Degree by Coursework

2. The minimum period of candidature is two years and the maximum period of candidature is four years.

3. During the period of study, a candidate must pursue such courses of study and take such examinations as may be prescribed by Regulations made by the Board of Graduate Studies on the advice of the Head, NIE Centre for Educational Research, and the Head, Division of Mathematics.

Part III: Degree by Thesis


REGULATIONS MADE UNDER STATUTE E7

Subjects of Study

1. The course leading to the degree of Master of Education (Mathematics Education) by coursework shall comprise -

   (a) four compulsory subjects;
   
   (b) four elective subjects; and
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(c) a project on which a dissertation must be submitted.

2. (1) (a) The four compulsory subjects are:

MME801 Research Methods (Mathematics Education)
MME802 Fundamental Concepts in Mathematics
MEd882 Research and Issues in Mathematics Education
MME803 Using Technology in Mathematics Education

(b) The four elective subjects shall be selected as follows:

(Candidates are to choose four subjects with at least one from Group B and one from Group C).

Subjects for Group B:

MME805 Assessment in Mathematics
MME806 Curriculum Studies in Mathematics
MME807 Developments in Problem Solving in Mathematics
MME808 Diagnosis and Remediation in Mathematics
MME809 Implications of Research in Primary Mathematics Education
MME810 Implications of Research for Secondary/Junior College Mathematics Education
MME811 Mathematics and Language
MME812 Psychological Theories in Mathematics Education

Subjects for Group C:

MME813 Algebra and the Teaching of Algebra
MME814 Cultural and Historical Roots of Mathematics
MME815 School Geometry using Concepts from Analysis and Algebra
MME816 Statistics and the Teaching of Statistics
MME817 Discrete Mathematics and Problem Solving
MME818 An Introduction to Mathematical Thought

(2) The Head, NIE Centre for Educational Research and the Head, Division of Mathematics shall determine the distribution of subjects to each semester.

(3) The choice of elective subjects undertaken by the candidate is subject to the approval of the Head, NIE Centre for Educational Research and the Head, Division of Mathematics.

(4) Subject to the approval of the Head, NIE Centre for Educational Research and the Head, Division of Mathematics, one elective subject may be replaced by any other Master’s level subject offered by NIE.

Examinations

3. A candidate will be examined in each of the subjects through a combination of assessment strategies such as assignments, tests, term papers and presentations.
4. (1) A candidate who has not completed and passed at least four subjects since his admission to the programme will be dismissed if he has either:

(a) failed to obtain a pass after two attempts in any one subject; or

(b) failed in two or more subjects at any one semestral examination; or

(c) failed his first attempts in a total of three subjects since his admission to the programme.

(2) Regulation 4(1) will not apply to any candidate who has passed at least four subjects since his admission to the programme.

(3) A candidate who fails an attempt in any subject is required to repeat the course of study in the subject before attempting the examination in the subject again. In the case of failure in an elective subject, the candidate may, with the approval of the Head, NIE Centre for Educational Research and Head, Division of Mathematics, offer an alternative subject, which for this purpose will be deemed a repeat attempt in the original subject.

(4) Transfer of credits and subject exemptions granted will not be counted as subjects passed in counting the number of subjects a candidate has passed since his admission to the programme.

5. A candidate who is prevented by illness from taking or completing a written Examination may be permitted by the Board of Graduate Studies to take the Examination again provided the illness is reported to the Registrar and a medical report is submitted to the Registrar within forty-eight hours of the candidate’s absence from the Examination. In such a case, the candidate may be required, at the discretion of the Board of Graduate Studies, to repeat the course before sitting the Examination again.

6. The dissertation shall not exceed 15,000 words and shall be submitted for examination in accordance with the provisions prescribed in clause 10 of Statute 18 (Degrees of Master)

Exemptions

7. The Academic Board may grant such exemptions as it thinks fit from the requirements of these regulations.

End of Statute E7