



KATHMANDU UNIVERSITY SCHOOL OF EDUCATION

M.ED. IN MATHEMATICS EDUCATION

ADMISSION CALL FOR 2020 FALL INTAKE

PROGRAM

Kathmandu University School of Education launched M.Ed. in Mathematics Education in 2006, and has been offering courses on mathematics education to produce quality teachers, teacher educators, material developers and researchers. The program has been running smoothly and our graduates have been absorbed in reputed organizations in their respective fields both within Nepal and abroad. The program is of four semesters spanning over for two years. There are courses for 54 credits comprising Core Courses (6 credits), Foundation Courses (21 credits), Specialization Professional Courses (12 credits), Practical Courses (9 Credits) and Elective Courses (6 credits).

AIMS OF THE PROGRAM

- Achieve sound awareness in technological pedagogical content knowledge in mathematics (TPCK)
- Follow the latest principles and methodology in mathematics teaching
- Undertake small scale research studies to improve their own pedagogical skills
- Design and deliver a short-term teacher development packages for mathematics teachers
- Develop appropriate mathematics curricula, textbooks, modules and other resources
- Educate pre-service and in-service teachers for effective teaching of mathematics

GRADUATE ATTRIBUTES

- Use ICT in personal and professional life
- Promote and apply ethos of life-long learning
- Respect various forms of diversities
- Employ critical, reflective, and creative approaches to problem solving
- Acknowledge local-global synergy in exploring opportunities
- Develop positive attributes towards life, learning and community

CAREER PROSPECTS

- Skillful Mathematics Teachers
- Pedagogical Leaders
- Curriculum/Resource Material Developers
- Reflective Practitioners
- Researchers

LIST OF THE COURSES

CORE COURSES (6 CR)

- EDUC 508: Theory and Practice in Education (3)
- EDUC 509: Research Methodology (3)

FOUNDATION COURSES (21 CR)

- EDMT 501: Analysis (3)
- EDMT 505: Algebra (3)
- EDMT 509: Topology (3)
- EDMT 511: Mathematical Modeling (3)
- EDMT 512: Statistics (3)
- EDMT 513: Number Theory and Teaching Arithmetic (3)
- EDMT 515: Discrete Mathematics and Problem Solving (3)

PROFESSIONAL COURSES (12 CR)

- EDMT 540: ICT in Mathematics Education (3)
- EDMT 541: Teaching and Learning in Mathematics (3)
- EDMT 542: Curricula in Mathematics Education (3)
- EDMT 543: Assessment in Mathematics Education (3)

ELECTIVES (6 CR) (ANY TWO COURSES)

- EDMT 516: Probability and Operations Research (3)
- EDMT 517: Multivariable Calculus (3)
- EDMT 518: Functional Analysis (3)
- EDMT 519: Fractal Geometry (3)
- EDMT 548: Recent Paradigms of Mathematics Learning (3)
- EDMT 549: Historical Development of Mathematical ideas (3)
- EDMT 550: Ethnomathematics (3)
- EDMT 514: Theory and Application of Differential Equations (3)
- EDMT 544: Teacher Development (3)

PRACTICAL COURSE (9 CR)

- EDMT 545: Internship (3)
 - EDMT 546: Research Project-I (3)
 - EDMT 547: Research Project-II (3)
- OR
- EDMT 599: Dissertation (6)

ELIGIBILITY

- PGDE/B.Ed./B.Sc./BA in Mathematics or equivalent degree with minimum 2nd division or CGPA 2.5

ADMISSION REQUIREMENTS

The candidates must fulfil the above criteria of the qualifications, and must also successfully complete the written test and the interview conducted by the School of Education.

APPROACH

- Experiential knowledge
- Research, writing, and publishing
- Face to face and online modes

OTHER MASTER PROGRAMS AT KUSOED

- M.Ed. in Educational Leadership and Management
- M.Ed. in English Language Teaching
- Master in Sustainable Development
- Master in Technical and Vocational Education and Training

Classes are conducted in face to face, blended, and on-line modes.

All admission processes will be conducted on-line.

CONTACT

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