

# MASTER OF SCIENCE PROGRAM IN MANAGEMENT MATHEMATICS

## CURRICULUM TITLE

Master of Science in Management Mathematics (International Program)

## DEGREE TITLE

Master of Science (Management Mathematics)

## ACADEMIC SYSTEM

1. All courses are conducted in English. An academic year is divided into 2 semesters. Each semester consists of 15 weeks. Courses may be offered for a summer semester of at least 8 weeks duration. The total number of lecture hours required for the summer semester is the same as that for the regular semester. Enrollment for summer courses is optional.
2. Curriculum
  - 2.1 Study Plan
    - 2.1.1 Plan A1  
39 credits of thesis, the Thesis-only MSc Program Plan A1 (39 credits)
  - 2.2 Thesis
    - 2.2.1 Plan A1  
A student can register for a thesis in the first semester.
    - 2.2.2 Thesis Committee  
The thesis committee must consist of at least 3 members as follows:
      - Principal advisor: The principal advisor must be an SIIT faculty member or a Math TU faculty member with a doctoral degree or equivalent, or with an academic rank of at least associate professor in a corresponding or related academic program.
      - Co-advisor (if any): A co-advisor must be an SIIT or TU faculty member, or an expert outside TU, with a doctoral degree or equivalent, or with an academic rank of at least associate professor in a corresponding or related academic program.
      - Expert outside TU: The expert outside TU must hold a doctoral degree or equivalent with an academic rank of at least assistant professor, or have an academic rank of associate professor or higher.
      - Other thesis committee members: Other thesis committee members must be SIIT or TU faculty members with a doctoral degree or equivalent, or with an academic rank of associate professor or higher.

The number of thesis committee members who are not the principal advisor or a co-advisor must not be fewer than the number of those who are the principal advisor or a co-advisor.

The number of thesis committee members who are SIIT or TU faculty members must not be fewer than the number of those who are experts outside TU.

The above thesis committee must also serve as the committees for both the proposal and final thesis defenses. However, the chairpersons of both defenses must not be the principal advisor or a co-advisor.

## **GRADUATION REQUIREMENTS**

To graduate, students must meet the following minimum requirements:

1. Students must successfully complete 39 credits of thesis.
2. At least one paper on thesis results must have been accepted for publication in a reputable international journal approved by the Academic Review Committee. The following alternate requirements may be used: one national journal paper (accepted) and one national conference paper in proceedings (accepted), or one international conference proceedings paper (accepted and registered for presentation) and one national journal paper (submitted).
3. Approval of the thesis by Thesis Committee, and passing a thesis defense.
4. Having satisfied one of the following English proficiency requirements:
  - A TOEFL score of not less than 550 (paper-based), or 213 (computer-based), or 79 (internet-based) or Institutional TOEFL 550
  - An IELTS score of not less than 6.5
  - A TU-GET score of not less than 550
  - A TOEIC score of not less than 750 and pass an English efficiency evaluation by an SIIT native English speaker
  - "P" Grade in TU005 English1 and TU006 English2

**Exemption:** An applicant who is a native English speaking student from Australia, Canada, New Zealand, United Kingdom, or USA may be exempted from the above English proficiency requirements if he/she passes an interview by an SIIT interviewing committee consisting of 3 English native speaking instructors.

# CURRICULUM

## 1. Total credits requirement

1.1 Plan A1, a total of 39 credits is required for completion of the program.

## 2. Structure and Components

2.1 Plan A1  
Thesis

39 Credits

## 3. List of courses in the curriculum

3.1 Master's Thesis, 39 credits  
MMA800 Thesis

*Credits (lecture-practice-self study hours)*

39