

Ateneo de Manila University
Mathematics Department, School of Science and Engineering
MASTER IN MATHEMATICS EDUCATION
(Effective June, 2015)

0. Prerequisite Non-Credit Courses (6 units)

(Depending on the Graduate Admission Test Verbal Subtest Score of student)

En 212.3 Effective Communication Skills	(3)
En 212.7 Oral Presentation Skills for Teachers	(3)

I. Core Courses (9 units)

Stat 210	Basic Statistical Analysis	3
Ed 201	Methods and Materials of Research	3
MathEd 210	Curriculum and Instruction in Mathematics	3

II. Major Courses (18 units)

1. Any four (4) graduate level courses in mathematics (based on the content preparation of the student)

Ma 204	Introduction to the Foundations & Structure of Mathematics	3
Ma 206	Modern Concepts in Mathematics	3
Ma 212	High School Geometry from an Advanced Viewpoint I	3
Ma 215	Modern Algebra and Trigonometry	3
Ma 220	Analysis for Teachers I	3
Ma 221	Analysis for Teachers II	3
Ma 224	Linear Algebra and Matrix Theory	3
Ma 226	An Introduction to Probability	3
Ma 230	Elementary Statistics	3
Ma 234	Elementary Number Theory	3
Ma 240B	Seminar in Topics in Algebra	3
Ma 240F	Seminar in Combinatorics	3
Ma 240G	Seminar in Methods of Proof	3
Ma 240H	Seminar in Finite Mathematics	3
Ma 240J	Seminar in Discrete Mathematics	3
Ma 240K	Seminar in Contemporary Mathematics	3
Ma 240T	Seminar in Abstract Algebra	3
Ma 241	Seminar in Linear and Abstract Algebra	3

2. Any one (1) course under any of the MathEd 295 courses

MathEd 295c	Strategies on Classroom Teaching in Mathematics	3
MathEd 295d	Seminar on Research in Mathematics Education	3
MathEd 295e	Seminar on Testing and Evaluation in Mathematics	3
MathEd 295h	Seminar on Technology in Mathematics Education	3
MathEd 295p	Seminar on Psychology of Mathematics Instruction	3

3. Psych 255.12 Seminar in Human Development: Learning Processes in Mathematics and Science, 3 units

III. Electives (6 units)

One MathEd 295 course, 3 units

One from any of the 200-level Mathematics and the suggested courses offered by the Education Department, 3 units

IV. Integrating Courses (6 units)

MathEd 285	Special Topics in Mathematics Education	3
MathEd 299B.1	Practicum I	3

V. Comprehensive Examination

Upon satisfactory completion of all 9 units Core/Foundation courses, 18s units Major courses, 6 units Electives and MathEd 285, the student may formally apply to take the comprehensive examination divided into 2 sets:

CE 1: Mathematics Content (12 or 15 units)

CE 2: Mathematics Education (MathEd 210, MathEd 295 courses, MathEd 285) and Other Fields (Psych 255.12)

TOTAL NUMBER OF UNITS: 42 (6)

Summary of Units

0.	Prerequisite Non-Credit	(6)
I.	Core/Foundation	9
II.	Major Courses	18
III.	Electives	6
IV.	Integrating Courses	6
V.	Comprehensive Examination	0
TOTAL:		39 (6)

Requirements for Graduation

1. Passing grade in all courses
2. Passing grade in Comprehensive Examination
3. Bound Practicum Report
4. Proof of participation in a national conference in mathematics education (while enrolled in the program)

Guidelines on the Practicum Project for the M. MATHED program

The practicum project is an activity that is undertaken in the context of a real educational environment (e.g. actual classroom) and must be supervised by a Practicum Project Adviser chosen from among the mathematics education faculty. It is the final requirement for the MathEd 299B.1 course.

The project output may take various forms. Examples of these are a working text, a set of evaluation instruments, a structure or system that can be adopted, etc. The output must be useful, practical, and realistic. In addition to the practicum project output, the student must submit a written report of the activities undertaken to complete the practicum project.

On the Practicum Project Report

1. The student must submit one hard bound copy of a printed Practicum Project Report to the Mathematics Department. The cover must be light blue in color (similar to project reports of past M.S. MathEd-Non-Thesis students), with gold letters and follows the format of the cover of the Graduate Thesis.
2. The deadline for submission is the last day of the final examinations for graduating seniors.
3. The bound report must contain the following:
 - a. Title page (Standard by OADGP)
 - b. Approval form signed by the Department Chair, the Practicum Project Adviser and the Dean. See attached.
 - c. Copyright Page (similar to M. AMF Reports). See attached.
 - d. Table of Contents
 - e. List of Tables and Figures
 - f. Report consisting of the following chapters:
 - i. Chapter 1. Introduction
 - ii. Chapter 2. Framework/Theoretical Basis
 - iii. Chapter 3. Methodology
 - iv. Chapter 4. Results and Discussion (or Materials and Discussion)
 - v. References
 - vi. Appendices

On the Certification of Fulfillment of the Practicum Project Report Requirement

This practicum project is a final requirement of the MathEd 299B.1 course for Master in Mathematics Education students. The student's final grade in this course serves as proof or certification that the student has submitted the report. The deadline for submitting the grade for this course is the same as the deadline for submission of the final grades of graduating seniors, in order for the student to join the graduation ceremony.

Approval Form (for the Practicum Project Report of M. MathEd)

This PRACTICUM PROJECT REPORT is entitled:

(Title)

submitted by (Student's name) has been examined and accepted as the Final Requirement for MathEd 299B.1.

Chair's Name and Signature

Adviser's Name and Signature

Dean's Name and Signature

Comprehensive Examination Passed: (Dates)

Copyright Page (for the Practicum Project Report of M. MathEd)

*@ (Year) Ateneo de Manila University, School of Science and Engineering,
Mathematics Department*

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