

Ateneo de Manila University
School of Science and Engineering
Department of Mathematics

MASTER OF SCIENCE IN MATHEMATICS
(Effective SY 2013 – 2014)

I. REQUIREMENTS TO THE PROGRAM

The student in the MS program must

1. Complete eighteen (18) units of required math courses and twelve (12) units of math electives.
2. Pass a comprehensive examination, a written exam that covers algebra, analysis and a third area. The third area may be chosen by the student from other fields covered by the courses s/he has taken.
3. Submit a Master's thesis which is considered by the department as a scholarly worthwhile contribution to mathematical knowledge. Thesis will count for six (6) units towards the total thirty six (36) units required.
4. Present the results of the thesis research in a conference.

II. REQUIRED SUBJECTS (18 units)

MA 250 – Algebraic Structures I
MA 267 – Modern Complex Analysis I
MA 259 – Linear Algebra
MA 265 – Modern Real Analysis I
MA 245 – Introduction to Research and Thesis Writing

Any one of the following courses:

MA 260 – Topological Structures
MA 295C.1 – Seminar in Finite Geometry
MA 295C.4 – Seminar in Groups and Design
MA 295C.8 – Seminar in Hyperbolic Geometry
MA 295C.9 – Geometric Crystallography
MA 295C.10 – Seminar in Color Symmetry
MA 295C.11 – Seminar in Tilings and Patterns

III. ELECTIVES (12 units)

IV. COMPREHENSIVE EXAMINATIONS

This is a written exam that covers algebra, analysis and a third area. The third area may be chosen by the student from other fields covered by the courses s/he has taken.

V. THESIS (6 units)

The student must submit a thesis in mathematics adjudged acceptable by the Department of Mathematics through a public oral examination.