

Ateneo de Manila University
Mathematics Department, School of Science and Engineering
DOCTOR OF PHILOSOPHY IN MATHEMATICS EDUCATION
(Curriculum - PhD MathEd)
Effective August 2016

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. Coursework (18 units)

MathEd 350	Problem Solving, Modeling and Investigations for Teaching Mathematics	3
MathEd 340	Advanced Special Topics in Mathematics Education	3
Ma 340.__	Advanced Studies in ---- (see list below)	3
SA 205 - or - Soc 269	Research Strategies Quantitative Data Analysis	3
SA 206 - or - SA 207	Research Techniques Qualitative Data Analysis	3
Soc 300.2 ¹ - or - Soc 306 ²	Proseminar in Quantitative Analysis Advanced Qualitative Methods in the Social Sciences	3

- Ma 340.1 Advanced Studies in Mathematical Analysis 3
 Ma 340.2 Advanced Studies in Discrete Mathematics 3
 Ma 340.3 Advanced Studies in Linear Algebra 3
 Ma 340.4 Advanced Studies in Number Theory 3

III. Research (36 units)

MathEd 390.1	Research in Mathematics Education I	6
MathEd 390.2	Research in Mathematics Education II	9
MathEd 390.3	Research in Mathematics Education III	9
MathEd 390.4	Dissertation Writing I	6
MathEd 390.5	Dissertation Writing II	6

¹ For students whose research focus requires more quantitative methods

² For students whose research focus requires more qualitative methods

Requirements for Graduation

To qualify for graduation, a PhD candidate must satisfy the following:

1. Satisfactory completion of all courses
2. Completion of a bound dissertation with signed approval sheets
3. A minimum of 5 points earned from any of the following:
 - a. Poster or Oral presentation at 1 credible conference in mathematics education (e.g. MathTEd, EARCOME, ICME, etc.) and other conferences that include mathematics education among its target research strands (e.g. AERA)

Conference	Poster	Oral Paper/Lecture*
National (MathTEd)	1 pt	2 pts
Regional (e.g. EARCOME, AMC conference in Singapore)	2 pts	3-4 pts
International (e.g. ICME, NCTM, MERGA, ICTED, AERA)	3 pts	5 pts

*With the paper accepted for inclusion in a peer reviewed conference proceedings. No conference proceedings, no points earned.

- b. Publication or acceptance for publication of a research-based paper in a peer-reviewed journal or themed book by a credible publishing house.

	Themed Book	Journal
Non-Indexed	2 pts	3 pts
Indexed (e.g. Springer, Sense, World Scientific, TAPER)	4 pts	5 pts

- c. Publication in a popular print (newspaper, magazine, webpage) = 1 pt (maximum of 2 publications)
 - d. Significant participation in a research study commissioned or initiated by any of DepEd, CHED, DOST-SEI = 3 pts (maximum of 1 commissioned study)