

**CENTRO ESCOLAR UNIVERSITY
Manila**

GRADUATE SCHOOL

**DOCTOR OF PHILOSOPHY IN MATHEMATICS EDUCATION
Effective School Year 2014-2015**

Degree Requirements

Core Courses	6 units
Area of Specialization	30 units
Cognates.....	9 units
Foreign Language	6 units
Dissertation	12 units
Total.....	63 units

Core Courses..... 6

<u>Course Code</u>	<u>Course Descriptive Title</u>	<u>Units</u>
Philo 300	Philosophical Studies	3
Methods Courses	<i>(Choose one)</i>	
MM 302	The Teaching of College Mathematics: Philosophy and Practice	3
MM 300	Methodology of Mathematics Education: Philosophy and Practice	3

Area of Specialization 30

<u>Course Code</u>	<u>Course Descriptive Title</u>	<u>Units</u>
MM 303	Set Theory and Philosophy	3
MM 304	Advanced Abstract Algebra	3
MM 305	Advanced Differential Equations	3
MM 306	Advanced Modern Geometry	3
MM 307	Topology I	3
MM 308	Theory and Philosophy of Numbers	3
MM 309	Modern Real Analysis	3
MM 310	Modern Complex Analysis	3
MM 311	Differential Geometry	3
MM 312	Methodology of Mathematical Research (with Computer Lab.)	3

Cognates 9

MM 313	Applied Numerical Analysis	3
MM 314	Theory and Philosophy of Probability	3
MM 315	Special Topics in Higher Mathematics	3

Foreign Language..... 6

<u>Course Code</u>	<u>Course Descriptive Title</u>	<u>Units</u>
FRL 311	Foreign Language I	3
FRL 312	Foreign Language II	3

Dissertation..... 12

<u>Course Code</u>	<u>Course Descriptive Title</u>	<u>Units</u>
Res. 391	Dissertation I*	6
Res. 392	Dissertation II	6

Total 63 units

- **Students must pass the Comprehensive Exam prior to enrolment in Dissertation I.**