

GRADUATE PROGRAM
College of Science
University of the Philippines Diliman

Ph. D. IN MATERIALS SCIENCE AND ENGINEERING
(Straight Ph.D.)

<u>COURSE No.</u>	<u>DESCRIPTIVE TITLE</u>	<u>UNITS</u>
Core Courses*		24
MSE 201 – (Fundamentals of Materials Science & Engineering)		3
MSE 225 – (X-Ray Crystallography and Spectrography)		3
MSE 231 – (Thermodynamics of Materials)		3
MSE 233 – (Kinetics of Materials)		3
MSE 241 – (Physics of Solids)		3
MSE 251 – (Mechanical Properties of Solids)		3
MSE 211-219 – (Combination of Laboratory Modules in MSE)		6
The laboratory Modules in MSE consist of the following:		
MSE 211 (Laboratory Module in Transmitted Light Microscopy)		1
MSE 212 (Laboratory Module in Mineragraphy)		1
MSE 213 (Laboratory Module in Crystallography)		1
MSE 214 (Lab. Module in Vacuum Tech & Thin Film Deposition)		1
MSE 215 (Lab. Module in Electronic & Magnetic Measurement)		1
MSE 216 (Lab. Module in Ceramics processing & Characterization)		2
MSE 217 (Laboratory Module in Scanning Electron Microscopy)		1
MSE 218 (Laboratory Module in Metallography)		1
MSE 219 (Laboratory Module in Thermal Analysis)		1
Specialization Courses (see back)		21
Graduate Seminar		
MSE 296 – Graduate Seminar		1
Graduate Thesis		
MSE 400		<u>12</u>
TOTAL MINIMUM UNITS REQUIRED		58

*Students who have taken courses equivalent to the core courses will be required to complete 24 units by taking specialization courses.

Deadline of submission of Application:

1st Semester – April 30

2nd Semester – September 30

Application fee – Php 500.00