GRADUATE PROGRAM College of Science University of the Philippines Diliman

MASTER OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING (Thesis Option)

Every student under the Thesis Option shall be required to complete the following twenty four (24) units of graduate core courses in MSE.

MSE 201 – (Fundamentals of Materials Science & Engineering)	3 units
MSE 211-219 – (Combination of Laboratory Modules in MSE)	6 units
MSE 225 – (X-Ray Crystallography and Spectrography	3 units
MSE 231 – (Thermodynamics of Materials)	3 units
MSE 233 – (Kinetics of Materials)	3 units
MSE 241 – (Physics of Solids)	3 units
MSE 251 – (Mechanical Properties of Solids)	3 units
TOTAL	24 units

The laboratory Modules in MSE consist of the following:

MSE 211 (Laboratory Module in Transmitted Light Microscopy)	1 unit
MSE 212 (Laboratory Module in Mineragraphy)	1 unit
MSE 213 (Laboratory Module in Crystallography)	1 unit
MSE 214 (Lab. Module in Vacuum Tech & Thin Film Deposition)	1 unit
MSE 215 (Lab. Module in Electronic & Magnetic Measurement)	1 unit
MSE 216 (Lab. Module in Ceramics processing & Characterization)	2 units
MSE 217 (Laboratory Module in Scanning Electron Microscopy)	1 unit
MSE 218 (Laboratory Module in Metallography)	1 unit
MSE 219 (Laboratory Module in Thermal Analysis)	<u> 1 unit</u>
	10 units

Graduate Seminar

MSE 296 – Graduate Seminar

1 unit

Graduate Thesis

MSE 300 <u>6 units</u>

TOTAL MINIMUM UNITS REQUIRED 31 units

Deadline of submission of Application:

1st Semester – April 30

2nd Semester – September 30

Application fee - Php 500.00

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