



UNIVERSITY OF THE PHILIPPINES DILIMAN

**DOCTOR OF PHILOSOPHY (MATERIALS SCIENCE AND ENGINEERING) For
BS Degree Holder 58/61 units**

APPROVAL

28th UPD UC: 21 April 1992

FIRST YEAR							
1 st Semester		12	units	2 nd Semester		12	units
MSE 201*		3		MSE 225		3	
MSE 231		3		MSE 233		3	
MSE 241		3		MSE 251		3	
ES 201/ES 204**		3		MSE Laboratory Course ¹		1	
				MSE Laboratory Course ¹		1	
				MSE Laboratory Course ¹		1	
SECOND YEAR							
1 st Semester		12	units	2 nd Semester		12	units
MSE Laboratory Course ¹		1		MSE Specialization Course ²		3	
MSE Laboratory Course ¹		1		MSE Specialization Course ²		3	
MSE Laboratory Course ¹		1		MSE Specialization Course ²		3	
MSE Specialization Course ²		3		MSE Specialization Course ²		3	
MSE Specialization Course ²		3					
MSE Specialization Course ²		3					
THIRD YEAR							
1 st Semester		7	units	1 st Semester		6	units
Preliminary Examination				Candidacy Examination			
MSE 296		1		MSE 400		6	
MSE 400		6					

* Student with a Metallurgical or Materials Engineering background must take a 3-unit specialization course instead of MSE 201

** Student with a Geology or Engineering background is required to take at least 3 units of advanced mathematics; Advanced Mathematics: ES 201, ES 202, ES 204

¹Laboratory Core Courses: MSE 211, MSE 212, MSE 213, MSE 214, MSE 215, MSE 216, MSE 217, MSE 218, MSE 219

²Specialization Courses: MSE 243, MSE 243.1, MSE 245, MSE 245.1, MSE 253, MSE 255, MSE 265, MSE 266, MSE 267, MSE 268, MSE 271, MSE 271.1, MSE 271.2, MSE 275, MSE 276, MSE 281, MSE 282, MSE 283, MSE 283.1, MSE 285, MSE 286, MSE 287, MSE 287.1, MSE 298