DE LA SALLE UNIVERSITY – MANILA
COLLEGE OF SCIENCE
Mathematics Department

SYLLABUS

COURSE CODE	MTH711M/D
COURSE TITLE	Abstract Algebra 2
CLASS DAY & TIME	
ROOM	
NAME OF FACULTY	
COURSE CREDIT	3 units
CONTACT NO. (DEPT)	(02) 536-0270, (02) 524-4611 loc. 420/413
TERM/SCHOOL YEAR	

COURSE DESCRIPTION
This second course in Abstract Algebra covers the topics on rings and ideals, fields, integral domains, quotient rings, ring homomorphisms, polynomial rings, divisibility in integral domains and field extensions.

PREREQUISITE: Abstract Algebra 2 (MTH611M/D)

COURSE OBJECTIVES
The students will:
1. define and illustrate the concepts of rings, fields, integral domains, ideals and quotient rings.
2. define and illustrate the concepts of prime, principal and maximal ideals, and give characterizations for both.
3.

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