MATH 206 ABSTRACT ALGEBRA II
KOÇ UNIVERSITY SPRING 2003

INSTRUCTOR: Selda Küşükçifçi
Office: Science Building Z59
Office hours: Monday 15:30-17:00,
Wednesday, 9:30-11:00
Phone Ext.: 1523
E-mail: skucukcifci@ku.edu.tr

COURSE ASSISTANT: Türker Özsarı

TIME AND LOCATION: Lecture: M-W 11:00-12:15, Room SCI Z20
Problem session: To be announced

TEXTBOOK: A first course in Abstract Algebra, by J. B. Fraleigh Addison-Wesley, 6th edition

REFERENCE TEXTBOOKS:
1. Topics in Algebra, by I. N. Herstein, Blaisdell Publ., New York

COURSE CONTENTS:
• Introduction to Rings and Fields
• Integral Domains, Field of Quotients of an Integral Domain
• Polynomial Rings, Euclidian Rings
• Homomorphisms and Isomorphisms
• Factor Rings and Ideals
• Vector Spaces
• Field Extension and Outline of Galois Theory

HOMEWORK, QUIZ, AND EXAMS: Homework will be assigned but will not be collected. Any questions that you may have concerning the homework will be answered in problem sessions or my office. Every Wednesday except the days of the midterms there will be a 15 minutes quiz. There will be two midterm exams and a final exam. Midterm I will take place on March 26th and Midterm II on May 14th during the class time. The date and the time for the final exam will be announced later.
**GRADING POLICY:** Your grade will be determined as follows: Two midterm exams, 20% each, the total quiz grade 20%, and the final exam, 40%.

**ACADEMIC HONESTY:** Academic dishonesty, including cheating on exams and quizzes is a serious offense resulting in an F grade and disciplinary action. Please read the KU catalog.