INTRODUCTION TO MATHEMATICAL ECONOMICS


Course Outline is as follows:

- Economic Models & Static Problems (3.1-3.5)
- Matrix Algebra & Input Output Models (4.1-4.6, 5.2-5.7)
- Concept of Derivatives (6.2-6.4)
- Rules of Differentiation (7.1-7.4)
- Comparative Static Analysis (7.5, 8.1-8.4, 8.6)
- Optimization Without Constraints-One Variable Case (9.1-9.4)
- Exponential & Logarithmic functions (10.1-10.3, 10.5, 10.7)
- Unconstrained Optimization Two or More Variables (11.2-11.6)
- Optimization with Equality Constraints (12.1-12.3, 12.5, 12.7)

HOMEWORKS: Homeworks will be assigned each week from the text. Each homework will be graded on 15 points scale. Doing homework is also a part of learning; it will also help you in getting better grades. Late homeworks will not be accepted.

GRADING: Course grade will be decided by homeworks (15%), two Midterms (20% each) and a final (45%).

FINAL: Final will be comprehensive. Final is scheduled on May 15, Wednesday at 3:30 PM.