Econ 316 MATHEMATICS FOR ECONOMISTS II
Dr. Tarek Selim

Class:
Fall 2011 Semester
Class Time: UW 11:30-12:45
Classroom: BEC CP09

Prerequisites:
Econ 201, 202, 216.

Textbook (Main):

Textbooks (Additional Reference):

Course Syllabus:

Learning Outcomes of the Course:
- Formulate mathematical techniques of matrix algebra, multivariate differentiation, constrained optimization, and integral calculus.
- Apply mathematical methods to economic analysis and decision making for both macroeconomics and microeconomics applications.
- Interpret quantitative findings and their limitations within the framework of economic reasoning.

Course Outline- Main Topics:
1. Matrix Algebra
2. Multivariate Differentiation
3. Optimization – Unconstrained
4. Optimization – Constrained (Lagrangian)
5. Integration
Professor:
Tarek Selim, BSMIE (Hon.), MSIE, MSEcon, MBA, PhD
Associate Professor of Economics, American University in Cairo

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Teaching Assistant
Review Sessions before Each Exam
Responsible for Assignments

Grading:
FIRST MIDTERM  20%
SECOND MIDTERM  25%
FINAL EXAM  30%
ASSIGNMENTS  15%
ATTENDANCE & PARTICIPATION  10%
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Total  100%