

ECON 630
Mathematical Economics
Fall 2014

Instructor: Alex Schibuola
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Office: R, 6:00P-7:00P and by appointment
Arlington campus, Metropolitan Bldg. Room 5039
Class: R, 7:20P-10:00P,
Arlington Campus, ARLF 118
No Classes:¹ Nov. 27th, Thanksgiving Break
Final Exam:² Dec. 11th, 7:30P

Course Objectives

This course covers set theory, basic algebra, differential calculus, integral calculus, constrained optimization, and linear (or matrix) algebra, with special emphasis on economic applications.

Enrollment Info

Prerequisite(s): Admission to master's program, or ECON 306, 311, and MATH 113.

-Last day to ADD/DROP (No tuition penalty): T, Sep. 2nd

-Last day to DROP (33% tuition penalty): T, Sep. 9th

-Last day to DROP (67% tuition penalty): F, Sep. 26th

Textbooks³

Required Textbook:

Dowling, Edward T. *Introduction to Mathematical Economics*, 3rd ed.

Recommended Textbooks:

Varian, Hal. *Intermediate Microeconomics*, 7th ed.

Chiang, Alpha C. and Kevin Wainwright. *Fundamental Methods of Mathematical Economics*, 4th ed.

Grading

25% Exam #1—early-Oct.
25% Exam #2—mid-Nov.
25% Exam #3—Dec. 11th, 7:30P
20% Quizzes/Assignments—lowest grade will be dropped
5% Participation

Final grades:

A+ (100-97)	A (96-93)	A- (92-90)	B+ (89-87)	B (86-83)	B- (82-80)
C+ (79-77)	C (76-73)	C- (72-70)	D (69-60)	F (59-0)	

¹ <http://registrar.gmu.edu/calendars/fall-2014/>

² <http://registrar.gmu.edu/calendars/fall-2014/exams/>

³ I reserve the right to assign additional readings for the class.

The honor code is in full-effect. Any violations will be brought to the attention of the Office of Academic Integrity (OAI) to which I will recommend you receive a final grade of HC (honor code violation = F) and if you are a second offender I will recommend you be expelled from the university.

Do not miss the exams. If you do, I reserve the right to assign a different exam. I require a valid excuse for any missed exams. Valid means a documented illness or a death in the family.

Tentative Course Outline

Lecture #1:	Dowling chapters 1 and 2	(Algebraic Concepts)
Lecture #2:	Dowling chapters 3 and 4	(Differential Calculus)
Lecture #3:	Dowling chapters 5 and 6	(Multivariate Calculus)
Lecture #4:	Dowling chapters 7, 8, & 9	(Logarithmic Functions)
Lecture #5:	Dowling chapters 14 and 15	(Integral Calculus)
Lecture #6:	Dowling chapters 10 and 11	(Linear Algebra)
Lecture #7:	Assorted topics	

Students with Disabilities

If you are a student with a disability and you need academic accommodations, please contact the Office of Disability Resources at 703-993-2474. All academic accommodations must be arranged through that office. Once such arrangements are determined please contact me so I can implement them.

Additional

- Feel free to contact me with any questions or comments.
- Feel free to ask questions in class. "There's-no-such-thing-as-a-stupid-question" policy is in effect.
- Please turn off/silence all cell phones before class begins.
- GMU uses only Mason e-mail accounts to communicate with enrolled students. Students must activate their Mason e-mail account, use it to communicate with their department and other administrative units, and check it regularly for important university information including messages related to this class.