QTM 120: Math for Social Sciences

Instructor, TA, Classroom, and Office Hours

Instructor: Jeremy Jacobson
Email: jeremy.a.jacobson@emory.edu
Office: MSC E431
Office Hours: TuThF 2:00pm – 3:30pm
If you cannot make it to my office hours, please email me to arrange another time.
Office Phone: 404-727-5641

TA: Lea Beneish
TA Email: lea.beneish@emory.edu
TA Office: MSC W431
TA Office Hours: Wednesday 2:30pm – 4:30pm

Classroom and Time: MSC W301, MW 1:00pm – 2:15pm
Lab Room and Time: MSC W301, Friday 11:00am – 11:50am
Course Webpage: http://www.mathcs.emory.edu/~jajaco3/teaching/qtm120

Prerequisites, Topics, Course Description and Textbooks

Prerequisites
AP Calculus (AB) or Math 111 (Calculus 1).

Topics
Those core concepts of linear algebra and multivariable calculus which are necessary for quantitative social science research.

Course Description
This course is mandatory for all quantitative social science majors. It is a prerequisite for QTM 130 (Probability and Statistics) and QTM 140 (Regression Analysis) as well as for more advanced course offerings in the QTM series. The first half of the course focuses on linear algebra and the second half on multivariable calculus.

Textbooks

Homework and Exams

There will be weekly homework assignments. There will be two exams that will take place in lab and a comprehensive final exam. Calculators will not be needed nor permitted during exams.
Important Dates

The comprehensive final exam must be taken on the date below. Check your calendar. If the final exam schedule results in three final exams on one day, bring this matter to the attention of your academic dean who can assist you further.

Exam 1: Oct. 23rd (Friday),
Exam 2: Dec. 4th (Friday),
Last day of class: Dec. 7th (Monday)
Final exam: December 10th (Thursday) 8am-10:30am

Grading

The grading weights are 30% homework, 20% first exam, 20% second exam, 30% final. The grading scale is described below. Borderline cases may not to be rounded up.

A ≥ 93,
A- ≥ 90,
B+ ≥ 87,
B ≥ 83,
B- ≥ 80,
C+ ≥ 77,
C ≥ 73,
C- ≥ 70,
D+ ≥ 67,
D ≥ 60

Course Policies

Exam Attendance
If you have a schedule conflict with any exam come talk to me immediately. Absences from midterm exams and the final are subject to the rules described in the section Incompletes and absences at:

http://college.emory.edu/home/academic/policy/incomplete_absence.html

If you will be unable to attend a midterm exam for a documented and approved reason, for instance, you have documentation in the form of a letter from your coach, then bring the documentation to me as soon as possible. Once approved, a makeup exam can be given.

The Honor Code
The Emory College Honor Code applies to all work in this class. For details see:

http://college.emory.edu/home/academic/policy/honor_code.html

Accomodations
All information shared with me regarding your identity, disability and accommodations is confidential. Please contact me as soon as possible so that I can provide the approved accommodations outlined on the Accommodation Notification Letter. I am happy to consult with ADSR in providing additional accommodations.