San José State University
CoSS/Department of Economics
ECON104, Mathematical Methods for Economics, Sec 2, Spring 2019

Course and Contact Information

Instructor: Dr. Marjan Orang

Office Location: DMH 214

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Office Hours: Wed 6pm-7pm and by appointment

Course Learning Outcomes (CLO)

Students will acquire enough mathematical skill to access literature that is most relevant to their study.

Upon successful completion of this course, students will be able to:

CLO 1: *define and explain indifference curve, isoquant, cost minimization, profit maximization, equilibrium conditions in output and input markets, and the national income model.*

CLO 2: *identify and apply functions of one or more variables, simple differentiation, partial and total differentiation, and matrix algebra.*
CLO 3: *solve simple real-world optimization problems both mathematically and graphically.*

Recommended Texts/Readings

Essential Mathematics for Economic Analysis, 5th Edition, by Knut Sydsaeter, Peter Hammond and Arne Strom, ISBN: 9780273760689.

Optional Readings

A Mathematical Approach to Economic Analysis, by P. Toumanoff & F. Nourzad

Course Requirements and Assignments

The group project should be completed by 2-3 students. You may choose your own group. Self sign-ups for groups will be enabled on Canvas one week before the first project starts. Projects are mainly designed to horn your skills on mathematical modeling based on the tools introduced in the class. Each group is expected to submit one electronic copy of the project to Canvas by the specified deadline. Details of the project will be announced in class.

Announcements

Announcements will be posted in Canvas on a regular basis. They will appear on your Canvas dashboard when you log in and/or will be sent to you directly through your preferred method of notification from Canvas. Please make certain to check them regularly, as they will contain any important information about upcoming assignments or class concerns.

Final grades will be determined as follows:

Assignment	Points	Dates
Midterm I	20 points	Monday, March 4th
Midterm II	20 points	Monday, April 8th
Group Project	15 points	Monday, May 6th
Final	20 points	

University Policies

Per University Policy S16-

Week	Topics, Readings, Assignments, Deadlines
17	Review
18	**Final**