

Instructor: Dr. Rui Liu
Office Location: DMH 143
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Email: rui.liu@sjsu.edu
No appointment needed: Canvas Discussion Board

Office Hours: By appointment: Tuesday 10 am-11 am via ZOOM

In-person: Thursday 10 am at DMH 143

Class Days/Time: Online, as desired, only problem sets, project and test
have fixed days/times

Classroom: Canvas

Course Description

The objective of the course is to survey some basic mathematical techniques that are widely used to connect important elements in economic theory and to solve economic problems. It is a mathematical restatement of the economic theory contained in microeconomics and macroeconomics.

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,

Problem Sets (two lowest dropped) 35%

days/times. All exams use Canvas and the ProctorU system. All times are PST/PDT and you are responsible for awareness of any time zone differences.

Missed Exams

Students are required to take exams according to schedule. A student who misses an exam will

Grading Policy

Letter grades will be determined as follows:

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+ = 69-67%	D = 66-63%	

please reevaluate your desire to participate in ~~an~~ course as these are all requirements of such courses. If you do wish to participate but do not wish to use your computer consider purchasing one strictly for use in this program or consider attending at a local library using their computers. These decisions are yours and the instructor is not responsible for any additional effort or cost you may need to expend to satisfy those desires.

You must also have the necessary system requirements to smoothly run the Canvas site. In an online class it is your responsibility to ensure you have the proper technology to view the online curriculum. I cannot provide tech support for your system or software. Canvas or SJSU ecampus can provide support for your system to get you started. e3 E (.:)-6 (rn pr)3 (op)(y)30 (r2)-1 [(p)-11aro

Week	Date	Topics, Readings, Assignments, Deadlines
1	1/27-1/31	Functions of One Variable and Properties of Functions, Chp 4
2	2/3 - 2/7	Differentiation, Chp 6
3	2/10- 2/14	Derivatives in Use, Chp 7
4	2/17-2/21	Single Variable Optimization, Chp 8
5	2/24-2/28	Single Variable Optimization, Chp 8
6	3/2 - 3/6	Exam
7	3/9-3/13	Functions of Many Variables, Chp 11
8	3/16-3/20	Multivariable Optimization, Chp 13
9	3/23- 3/27	Constrained Optimization, Chp 14
10	3/30- 4/3	Spring Recess
11	4/6-4/10	Constrained Optimization, Chp 14

Week	Date	Topics, Readings, Assignments, Deadlines
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12		
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	4/13-4/17	
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