

San José State University
CoSS/Department of Economics
ECON104, Mathematical Methods for
Economics, Sec 01, Spring, and 2020

Course and Contact Information

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

Recommended Textbook

Business Calculus, by Shana Calaway, Dale Hoffman, and David Lippman . The book is freely available at <http://www.opentextbookstore.com/buscalc/BusCalc.pdf>

Essential Mathematics for Economic Analysis, 4th Edition, by Knut Sydsaeter, Peter Hammond and Arne Strom, ISBN: 9780273760689.

Optional Readings

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

Coursework Commitment

This is a four-unit undergraduate level course. SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of three hours per unit per week, including participating course activities, completing problem sets, mastering software languages, and so on. More details about student workload can be found in [University Policy S12-3 \(Links to an external site.\)](http://www.sjsu.edu/senate/docs/S12-3.pdf) at <http://www.sjsu.edu/senate/docs/S12-3.pdf>.

Course Requirements and Assignments

The course grade will be based on weekly problem sets, discussion participation, a group project, two midterms, a final exam. The scores are averaged with the following weight:

Assignment	Weight	Due Dates
Problem Sets (two lowest dropped)	35%	Every Thursday at 12 pm

Weekly Discussion 10%

Students are **required** to take exams according to schedule. A student who misses an exam will receive zero point on that exam. No make ups are given. However, if a student has serious and compelling reasons, he/she needs to contact the instructor and receives the instructor's approval **in advance**. With an accepted excuse an average of the score achieved on the other exams will be assigned as the missed exam.

Group Project:

The group project should be completed by 2-3 students. You will be randomly assigned to a group at the beginning of the course. Projects are mainly designed to hone 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.

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.

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%	D- = 62-60%
F = 59-0%		
Unsatisfactory		

ECON 104 / Math Econ, Spring 2020, Course Schedule

List the agenda for the semester including when and where the final exam will be held. Indicate the schedule is subject to change with fair notice and how the notice will be made available.

Course Schedule

Week Date

Week	Date
0	1/23
8	3/16 - 3/20
9	3/23 - 3/27
10	3/30 - 4/3
11	4/6 - 4/10
12	4/13 - 4/17

Topics, Readings, Assignments, Deadlines
Syllabus

Multivariable Optimization, Chp 13

Constrained Optimization, Chp 14
Spring Recess

Constrained Optimization, Chp 14

Exam

4Tj E2 4Tj190.92 408.6 7 >>B3 >>BDC /TT1 1 562 74.28 453.24 Tm (12)Tj 2 r

13

4/25 (s)TJ E'