

SJSU Math 70 (3 units)

Spring 2007

Class Number/section: 22906/13

Class Number/section: 36270/16

Location:

13:DH318, TR 4:00PM - 5:15PM

16:DH250, TR 12:00PM - 1:15PM

Instructor: Prof. Hedley Morris

Office: 411 McQuarrie Hall

Office Hours: 10:30-11:45/15.00-15.45,TR

E-mail: profmorris@hotmail.com

(Preferred means of contact)

Web: <http://www.math.sjsu.edu/~morris>

Textbook: *Finite Mathematics for Business Economics, Life Sciences and Social Sciences.* Barnett, Ziegler and Byleen, 10th., Prentice Hall.

Description: Systems of linear equations and inequalities, matrices, linear programming, set theory, probability theory, applications to business and to social sciences.

Prerequisites: Satisfaction of the ELM requirement.

Learning Outcomes:

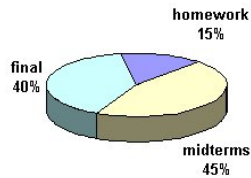
- ❑ Compute permutations and combinations of objects with applications.
- ❑ Understand and compute probabilities and conditional probabilities.
- ❑ Know Bayes' formula and applications.
- ❑ Compute the inverse of a matrix
- ❑ Solve linear systems using matrices.
- ❑ Solve and graph systems of linear inequalities
- ❑ Find solutions of linear programming problems geometrically.
- ❑ Find maximum and minimum of a linear function under constraints using the simplex method.
- ❑ Compute simple interest, compound interest and annuities.

Homework: Homework is assigned and graded electronically using the [MyMathLab](#) system.

Calculators: A programmable graphing calculator is required; TI-82/83/85/86 preferred. (TI-89/92 not allowed on exams.). Calculators, PDA's, cell-phones, and other electronic devices are NOT allowed during examinations.

Exams: There will be 3 mid-terms and a final exam. There will be **NO** make-ups. The tentative dates are Feb. 22, Mar 22 and Apr 26.

Students who intend to use this course to satisfy the Mathematical Concepts requirement for General Education must earn a C or higher grade.



Grading scheme: Each of the three mid-terms will be equally weighted and worth 15 points and the homework is worth 15 points. The final examination is worth 40 points. The grade in the course will be determined approximately as follows:

A	90-100 points
B	80-89 points
C	70-79 points
D	60-69 points
F	0-59 points

Final Exam: The final exam will take place as specified in the Final Exam Calendar.

Week	Dates	Sections
1	01/25	4.1
2	01/30-02/01	4.2 – 4.3
3	02/06-02/08	4.3 – 4.4
4	02/13-02/15	4.5 –4.6
5	02/20-02/22	MID 1
6	02/27-03/01	5.1 –5.2
7	03/06-03/08	5.3 – 5.4
8	03/13-03/15	5.5 – 5.6
9	03/20-03/22	MID 2
10	04/03-04/05	6.1 – 6.4
11	04/10-04/12	7.1 – 7.3
12	04/17-04/19	7.4 – 7.5
13	04/24-04/26	MID 3
14	05/01-05/03	3.1 –3.2
15	05/08-05/10	3.3 – 3.5
16	05/15	Review

Academic Integrity:

The SJSU position on Academic Integrity can be found at: www2.sjsu.edu/senate/S04-12.pdf

If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours.