

## SJSU Math 71 (3 units)

### Spring 2007

**Class Number/section:** 29854/02

**Location:** MH222, TR 1:30 - 2:45

**Instructor:** Prof. Hedley Morris

**Office:** 411 McQuarrie Hall

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

**E-mail:** [profmorris@hotmail.com](mailto:profmorris@hotmail.com)

(Preferred means of contact)

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

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

**Description:** Functions and graphs, limits, continuity, differentiation, integration, partial differentiation.

**Prerequisites:** Satisfaction of the ELM requirement.

#### Learning Outcomes:

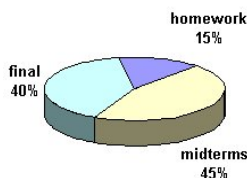
- Exponentials and logarithms.
- Use logs to solve exponential equations.
- Derivatives with business applications.
- Graphing polynomials and optimization problems.
- Derivatives of exponential functions, log functions.
- The chain rule.
- Partial derivatives.
- Lagrange Multipliers.
- Integration.

**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 midterms 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 midterms 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	2.1
2	01/30-02/01	2.2 – 2.3
3	02/06-02/08	3.1 – 3.4
4	02/13-02/15	3.5 – 3.7
5	02/20-02/22	MID 1
6	02/27-03/01	4.1 – 4.2
7	03/06-03/08	4.3 – 4.4
8	03/13-03/15	4.5
9	03/20-03/22	MID 2
10	04/03-04/05	5.1 – 5.3
11	04/10-04/12	8.1 – 8.2
12	04/17-04/19	8.3
13	04/24-04/26	MID 3
14	05/01-05/03	6.1 – 6.2
15	05/08-05/10	6.3 – 6.5
16	05/15	Review

#### Academic Integrity:

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