Math 008 - 47730 - Finite Mathematics (3 units)  

**Instructor:** Tejal Naik

**Class Meets:** TH, 6:30pm - 9:40pm, AAS 12  
**Voice-Mail:** (408) 741-2045 *3116  
**E-mail:** naiktd@gmail.com  
**Webpage:** http://instruct.westvalley.edu/desai/

Class begins 08/31/06 and ends 05/14/06

**Office:**  
**Office Hrs:** TH, 6:15 - 6:30pm or by appt

**Textbook & Materials**

*Finite Mathematics, An applied Approach 3rd Ed.* by Young, Lee, Long & Graening. Texas Instruments TI-83+ or TI-84+ graphing calculator will be required. Graph paper, ruler or straight edge & sharpened pencil will also be required.

**Prerequisites**

A grade of C or better in Math 106 or 106R or two years High School Algebra.

**Course Objectives**

Upon completion of the course, the student should be able to:

- use linear functions to model linear behavior such as depreciation, cost and revenue, supply and demand
- use matrices and simplex algorithm to solve linear programming problems
- understand elementary set theory and counting techniques and apply them to probability
- use a variety of ideas that apply to mathematics of finance.

The purpose of this course is to provide you with the mathematical tools that will prepare you for quantitatively oriented courses in various disciplines such as business, economics, finance, statistics and applied calculus. Thus it is a hodgepodge of different topics, which can be categorized into three parts – probability, finance, and function optimization. It is acceptable for credit at UC and CSU.

**General Comments**

This section of finite math meets once a week. Often you will learn and apply the new material all on the same day. It is therefore in your best interests to attend class regularly.

Falling a day behind puts you at a disadvantage. Falling a week behind puts you in deep trouble. You should notify me if you need to miss two or more classes due to health or other emergencies. Those of you who miss several classes should expect possible withdrawal.

You are responsible for the material covered while you were absent and will be expected to be prepared for a quiz and have homework completed that is due.

If you are having trouble with the course material, or are falling behind, please get help early. Come in during office hours, set up an appointment, use e-mail or take advantage of tutoring in the Math Lab (SM 5). I recommend forming Study groups with other students

**Adds/Drops**

Last day to add is 9/08/06. Last day to drop with a ‘W’ is 11/17/06. The paperwork on Adds & Drops is your responsibility. If you do not complete the proper paperwork prior to the final withdrawal date for the semester, you will be given the letter grade that you have earned for the semester.

**Special Services**

West Valley College makes reasonable accommodations for persons with documented disabilities. These include Test accommodations, counseling and college materials in alternate formats (Braille, audio, electronic, or large print). Please contact the Disability and Educational Support Program at (408) 741-2010 or (408) 741-2658 (TTY) for more information.

**Emergency Procedures:**

In the event of a fire or an earthquake that requires an evacuation, we will leave the building together and stay as a group in the designated area opposite the AAS building. We will wait there a short time until emergency vehicles have reached the campus and then disperse. Please do not leave campus until your instructor has accounted for your presence. Do not return to the classroom until the area is declared safe.

©Tejal Desai-Naik

“It's your attitude---not your aptitude-- that will determine the altitude of your life.”
Homework & Assignments:
Homework will be assigned, every class, from the odd numbered exercises. It will be due the next class meeting. We will also have graded assignments based on the homework. Confucius said, “Tell me and I will forget; Show me and I may not remember; Involve me and I will understand.” Doing your homework on time and keeping up with the assignments is one way to do that. Asking questions and participating in class is another. Math is learned by doing problems, which means, doing homework. You should set aside at least 2 hours per day, 3-4 days per week for homework. Some students may need more than 2 hours per day. That may sound like a lot, but those who work diligently and thoughtfully will be rewarded with a good understanding of course content, not to mention a good grade on your college transcript.

Tests:
There will be two tests, each, about 90 minutes long. A review sheet will be handed out a week before each test and also the final. There are NO MAKEUP tests, but the final exam percentage may be used to substitute for one low or missed test score. Remember your success in the course will depend on the amount of effort you put in to it.

Cheating Policy:
If cheating occurs, a zero will be given for that quiz or test with possible withdrawal from the course. Cheating includes, but is not limited to copying from another student’s exam, or letting another student copy from yours, having access to unauthorized notes be it written or electronic and any other action that is aimed toward giving you an unfair advantage.

Course Outline & Tentative Schedule:

| Chapter 7 (7.1 – 7.7): 2 weeks | Chapter 2 (2.1 – 2.3): 1 weeks |
| Chapter 6 (6.1 – 6.3): 1 week | Chapter 8 (8.1 – 8.3): 1 week |
| Chapter 1 (1.1 – 1.4): 1 week | Chapter 9 (9.1 – 9.5): 2 weeks |
| Chapter 3 (3.1 – 3.4): 1 week | Chapter 4 (4.1 – 4.3): 1 week |

Test #1 – 10/05/06 – chapters 7, 6, 1, & 2

Test #2 – 11/16/06 – chapters 2, 8, 9 & 4

Final Exam & Grading:
The final exam is comprehensive, and will be held in AAS 12 on December 14th from 6:30pm – 8:30pm. Your grade in this class will come from four areas: Homework, Graded Assignments, Tests and the Final. The semester grade will consist of:

- Homework 5%
- Graded Assignments 25%
- Tests 40%
- Final 30%

Letter grade will be assigned as follows:
- 90 or above A
- 80 - 89 B
- 70 - 79 C
- 60 - 69 D
- 59 or below F

By the way you should save all your homework, and tests, as they are proof of your score. Also, old tests are excellent source of review. I hope you enjoy and benefit from this course.

♦♦♦♦♦ PLEASE DO NOT HESITATE TO ASK QUESTIONS♦♦♦♦♦
♦♦♦♦♦ YOUR PARTICIPATION IS ENCOURAGED AND APPRECIATED♦♦♦♦♦

“It's your attitude---not your aptitude-- that will determine the altitude of your life.”