Cañada College

Math 253AA: Calculus III Syllabus Spring 2010

MTWR 12:35 pm – 1:45 pm Room 22-118

Instructor: Raymond M. Lapuz **Office**: 18-314

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Website: http://www.smccd.net/accounts/lapuz

Course Site: http://mathzone.com (check for further updates)

Office Hours: Thursdays, 2:30-3:30pm

TBA Hours: You are required to attend at least one hour of workshop hours per week.

Course Description: This course covers basic concepts of multivariable calculus.

Prerequisite: Satisfactory completion of Math 252 with a grade of C or better or appropriate score on the college placement test.

Learning Outcomes: By the end of this course, you will be able to . . .

- compute derivatives of multivariable functions and apply to geometry and optimization problems.
- model motion using vectors valued functions.
- identify and compute the different types of integrals.
- recognize and apply the fundamental theorem of calculus.

Required Materials:

Text: Calculus, Early Transcendental Functions by Smith & Minton, 3rd Ed.
Calculator and Technology: Graphing Calculator and Internet Access

Attendance: Attendance will be taken at the beginning of each class meeting. Absences and tardies will be noted and I reserve the right to drop any student who is consistently absent or late. Attendance will also be monitored during the workshop hours.

Participation: Questions pertaining to the course are welcome in the class meetings. Students are encouraged to ask questions in class; if the is not enough time to answer the questions in class, then office hours and workshops would be good time to ask.

Academic Integrity Policy:

DO NOT CHEAT!!! Cheating will result in a failing grade in the assignment and will be reported to the Vice President of Student Services. For more information regarding the school's policy, visit: http://www.canadacollege.edu/inside/acad_integrity/.

The Learning Center and Math Lab: Cañada College has an excellent well-staffed Learning Center in the second floor of building 9. There are individual tutors available. There are also computers where you can access information about the course through the web. The Math Lab is in the Learning Center and is an excellent place to work. A very capable Nancy Ward can be available for questions as you encounter them.

A standard grading scheme will apply:

Overall Grade	Overall Percent
A	90% and above
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	below 60%

Your course grade will be based on the following:

Homework	10%
Quizzes	10%
Exams	40%
Final Exam	30%
Special Assignments	5%
Worksheets	5%

Homework: Homework will be completed online. You will need a code when you purchase the textbook. Go to http://www.mathzone.com/.

Quizzes: There will be periodic quizzes. These may be in class, take home, or online quizzes that may or may not be announced. No make-ups.

Exams: There will be six exams. Each exam will cover one chapter from the book. Tentative dates are available in the course schedule.

Final Exam: The comprehensive final exam is on Wed, May 26, 2010, at 11am-1:40pm. You must perform at least satisfactory on the final to pass the class.

Special Assignments: These will consist of assignments that will have you explore your own progress as math students. These may be essays, write ups, or summaries of lessons and concepts learned.

Worksheets: You are required to attend group workshops for at least one hour per week; you may stay longer if you wish. Attendance will be monitored when you sign in at the learning center sign in computer. These workshops will consist of worksheets with challenging problems and group work activities and internet projects.

First Special Assignment:
Write about your background in math, beginning as far back as you can remember. Describe successes, failures, pleasant experiences, frustrations, and your confidence in your math abilities in the past and present. Discuss your strengths and weaknesses, and how they were developed. Also, describe what kind of math you see yourself doing in the future.

I hear, … and I forget.
I see, … and I remember.
I do, … and I understand!
-- Anonymous