Cañada College Syllabus
Math 251AA: Calculus I
Spring 2012

Instructor	Raymond Lapuz	**Course**	Math 251AA, CRN: 40903
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Office Hours	Tuesdays 11:00am - 12:00n (Learning Center)		

Prerequisites:
You need satisfactory completion of Math 219 or 222 (precalculus) with a grade of C or better or appropriate score on the college placement test.

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

Course Materials:
Text: *CALCULUS, EARLY TRANSCENDENTAL FUNCTIONS,* 7th Edition, by James Stewart.
Calculator: Graphing Calculator.
Computer Access: http://www.webassign.net/ (homework);
http://smccd.mrooms.net/ (class updates);

Student Learning Outcomes:
By the end of this course, you will be able to…
- Define and determine the limits and continuity.
- Define and compute derivatives numerically, graphically, and symbolically.
- Apply derivatives to related rates, optimization, and other real life problems.
- State the Fundamental Theorem of Calculus.
- Gain confidence in manipulating functions.

Resources:
- The Learning Center: Cañada College has an excellent well-staffed Learning Center in the second floor of building 9. There are individual tutors and drop in tutors available for most of the day and some evenings. Computers are also available.
- E-Text: This course uses an online homework system, http://www.webassign.net/. Within this website is the electronic textbook and many resources associated with it, including animations, videos, and *Mathematica* demonstrations.
- DSPS: If you have a disability which may require classroom or test accommodations, please contact Disabled Students Programs and Services: http://www.canadacollege.net/student/disabledservices.html.

Policies:
- Academic Integrity Policy: DO NOT CHEAT!!! Cheating will result in a failing grade in the assignment and will be reported to the VP of Student Services. For more information, visit: http://www.canadacollege.edu/inside/acad_integrity/.
- 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.

Grading:

Your course grade will be based on the following:

- **Homework (15%)**: Homework will be completed online. You will need purchase access online. Go to http://www.webassign.net/ and use class key: **canadacollege 5112 3899**.
- **Quizzes (10%)**: There will be occasional quizzes. These will be short answer questions that would take between 10-20 minutes of class time or online. No make-ups.
- **Worksheets (5%)**: 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.
- **Exams (40%)**: There will be five exams, each covering approximately one chapter from the textbook.
- **Final Exam(30%)**: The comprehensive final exam is on Mon, Dec 13, at 11:10 am - 1:40 pm. You must perform at least satisfactory on the final to pass the class.
- **Journals (2.5% extra credit)**: You will have periodic journal assignments that ask or poll you about your progress as a student in this course.

A standard grading scheme will apply:

90%+: **A**; 80%-89.9%: **B**; 70%-79.9%: **C**; 60%-69.9%: **D**; below 60%: **F**

Tentative Schedule:

1/18 - 1/31:	Chapter 1: Functions
2/2:	Exam 1
2/7 - 2/20:	Chapter 2: Intro to Calculus
2/22:	Exam 2
2/23 - 3/12:	Chapter 3: The Derivative
3/14:	Exam 3
3/15 - 4/10:	Chapter 4: Applications of the Derivative
4/12:	Exam 4
3/16 - 4/24:	Chapter 5: Integrals and the FTOC
4/26:	Exam 5
4/30 - 5/14:	Miscellaneous Topics, Make Up Days, and Review
5/22, 11:10 - 1:40pm	FINAL EXAM

Updates will be posted on the course site: http://smccd.mrooms.net/

Important Dates:

Aside from the exam dates, above, here are a few more important dates for the class:

Monday, 1/30:	Last Day to add a class or drop a class with a partial refund
Thursday, 2/10:	Last Day to add/drop a class without appearing on record
Friday, 2/17:	Lincoln's Birthday (Holiday)
Monday, 2/20:	Presidents Day (Holiday)
Friday, 3/2:	Last Day to apply for a degree/certificate
Friday, 3/9:	Flex Day (No Classes)
April 2-8:	Spring Break
Thursday, 4/26:	Last Day to Withdraw from class
Thursday, 5/18:	Last Day of Class
Tuesday, 5/22,	Final Exam