Cañada College Syllabus
Math 251AA: Calculus I Hybrid
Fall 2012

Instructor Raymond Lapuz   **Course** Math 251 WLA, CRN: 89687

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Class Meeting Time and Place   Wednesdays 7:00pm - 9:35pm 22-118

> We will be meeting once a week; most of your work will be done online.

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/ Class Key: **canadacollege 1396 3543**

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.

Hybrid Structure:
This is a 5 unit class that is split into an online portion and an in-class portion.

Online: You will be expected to do most of the learning outside of class. The ideal pattern would be for you to skim over a section, then attempt the "Lab" assignments. From here, you can reread the text and/or view some videos (there are some provided by the course site) and then do the homework. There will be discussion forums for questions and clarifications with the material.

In class: We will be meeting on Wednesdays, 7-9:35pm in 22-118. In class, you should expect to work on group work and exams. There will be very little lecturing since most of this can be done online.

Grading:
Your course grade will be based on the following:

- **Lab Assignments/Hours by Arrangements (HBA) (5%):** These online assignments are tutorials and video examples that gets you acquainted to the chapter homework. Each section will have between 2 to 5 tutorials that will take approximately one to three hours per week.
- **Homework (15%)**: Homework will be completed and submitted online. Each section will have between 10 to 30 questions, so make sure you begin the homework well in advance from the due dates.
- **Group Work (10%)**: Most in-class activities will consist of group work and discussion. Attendance and participation are very important since these activities should solidify your knowledge of the material.
- **Exams (40%)**: There will be four exams, each covering one chapter from the textbook.
- **Final Exam(30%)**: The comprehensive final exam is on Wednesday, Dec 19, at 7:00pm – 9:35 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:

8/22 – 8/29	Chapter 1: Functions
9/5:	Exam 1
9/12 – 9/19	Chapter 2: Intro to Calculus
9/26	Exam 2
10/3 – 10/17	Chapter 3: The Derivative
10/24	Exam 3
10/31 – 11/14	Chapter 4: Applications of the Derivative
11/21	Holiday
11/28	Test 4
12/5 – 12/12	Chapter 5: Integrals
12/19	Final Exam

Other Important Dates:

8/31	Last Day to add a class or drop a class with a partial refund
9/3	Labor Day (Holiday)
9/9	Last Day to add/drop a class without appearing on record
10/5	Last Day to apply for a degree/certificate
11/12	Veteran's Day (Holiday)
11/16	Last Day to Withdraw from class
Wed 11/21	No Evening Classes
11/22-11/23	Thanksgiving Break
12/12	Last Day of Instruction
Wed 12/19	Final Exam