YUBA COLLEGE
MATH 2A – SECOND YEAR CALCULUS
FALL SEMESTER 2011

Course Code: 8847
Days: MTWTh 11 - 11:50
Credit: 4 semester units
Instructor: John Steverson
Office: 709, or the Hard Math Café (rooms 700/702), or the Academic Senate office (upstairs in cafeteria)
Office Hours: MTWThF 10 - 10:50
Phone: 741-6909
Email: jstevers@yccd.edu (preferred over voicemail)

Text and   Calculus (*9th ed*) Varberg, Purcell, Rigdon
Materials: Graph paper will be required for homework, and any scientific calculator will be sufficient for this class (no specific calculator is required), however a graphing calculator will be helpful.

Objectives: At the conclusion of this course, the student will be able to:
1. Graph using polar coordinates.
2. Graph conic sections andidentify properties of conic sections
3. Represent problems as functions of two and three variables.
4. Find partial derivatives, the gradient, and extrema of vector functions
5. Use rectangular, cylindrical, and spherical coordinates to evaluate multiple integrals.
6. Use gradient fields
7. Apply Green's Theorem, the Divergence Theorem and Stokes' Theorem

Student   Students are expected to attend all classes. You may be dropped
Responsibilities: after 4 absences.   No shows will be dropped to make room for students on the wait list.   Attendance will be taken daily.   Please be on time.
Please turn off cell phones and pagers. If a phone or pager disrupts class, there may be an immediate 10 point pop quiz for the entire class.
Please conduct yourself in a manner that does not interfere with any other student's ability to learn.
If you have a documented disability that may have some impact on your work in this class and for which you require accommodations, please see me or Disabled Student Programs and Services so that such accommodations may be made.

Homework: Students are expected to complete all homework assignments. You must show your work for credit. Assignments include READING THE TEXT as well as completing assigned exercises. I will assign homework daily, and collect homework once a week. Please clearly label your homework with chapter, section, and problem numbers. Name, class, and day/time info should be written in the upper right corner of the first page of a homework packet, and the packet should be folded lengthwise, with first page on the OUTSIDE to turn in.

Quizzes: We'll have a homework quiz each week, generally a question or two straight out of the homework.

Test Makeups and Late Homework:
Late homework will not be accepted and missed tests/quizzes cannot be made up. No exceptions! However, I will drop your lowest homework score, lowest quiz score, and your score on the final exam will replace your lowest test if it will help your grade.

Grading: There will be five 100 point tests during the semester, each week's homework is worth 10 points, weekly quizzes worth 10 points each, and a comprehensive final exam worth 200 points. Letter grades will be assigned according to the following percentages:

A	90% and above
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	59% and below

Material Covered: We will cover chapters 10 through 14 of the text.

Tutoring: Tutoring is available in the College Success Center, but probably not at this level. Faculty members in the Hard Math Cafe are your best bet for help, but study groups with each other will be your most effective study aid.

Important Dates:
8/15 First day of classes.
8/19 Last day to add without instructor signature.
8/26 Last day to be eligible for a refund of fees.
9/5 Labor Day. Campus will be closed.
9/9 Last day to drop without a "W"
9/16 Last day to elect pass/no pass grading
11/11 Veteran's Day. Campus will be closed.
11/14 Last day to drop with a "W"
11/23-25 Thanksgiving. Campus will be closed.
12/14 Final Exam. 10:00pm to 11:50pm