Math 402 – Calculus III - 11074
Spring 2013 - American River College

Course Information

Instructor:	Kristin Lui	Location:	Liberal Arts 163
Email:	luik@arc.losrios.edu	Meet Times:	MW, 5:15 pm – 7:35 pm
Website:	http://ic.arc.losrios.edu/~luik		

Office hours: Howard Hall 163 (Adjunct Office)

Course Materials

- Required textbook: <u>Calculus – Early Transcendentals</u> by Briggs and Cochran, 1st Edition
- A graphing calculator is highly recommended such as a TI – 83 or above.

Learning Outcomes

Upon completing this course, a student will be able to:

- Analyze and graph two and three dimensional functions, vectors, vector-valued functions, and geometric surfaces and solids in order to solve for various geometric dimensions and to represent motion in space.
- Evaluate partial derivatives and iterated integrals and apply the results to optimize multi-variable functions on a space curve or planar region.
- Set up and evaluate iterated integrals in rectangular, cylindrical, and spherical form and apply the results to calculate the area, volume, mass, and center of mass for a surface or solid.
- Set up and evaluate line and surface integrals using Green's, Gauss', and Stokes' Theorems and use results to solve application problems involving vector fields.

Proof of Prerequisite

Students must have taken MATH 401 with a grade of "C" or better. By January 30, 2013 (third class meeting), you must provide proof of satisfying the prerequisite or you will be dropped from the class.

- LRCCD transcript
- Prerequisite/placement slip from an ARC counselor

Grades

Course grades will be determined by the following:

Letter grades will be assigned by the scale below:

Quizzes	15%	A	90% or above
Homework	10%	B	80% - 89%
Exams	50%	C	70% - 79%
Final Exam	25%	D	60% - 69%
		F	59% or below

Exams	There will be four 1-hour exams during the semester. Exams must be taken in class. Calculators, books, and notes are **NOT** allowed during exams. There are no make-up exams. <u>You have the option of replacing your lowest exam score with your final score.</u>

Quizzes   Eight (8) quizzes will be given during class meetings. Calculators, books, and notes are **NOT** allowed during quizzes. There are no make-up quizzes. Two of the lowest quiz scores will be dropped.

Homework   Ten (10) homework assignments will be posted in class and online. I will drop two of the lowest homework scores.

Final Exam   The final exam is cumulative. The final will be given on: **May 20, 2013** at **5:45 pm – 7:45 pm**. No make-ups!

Important Dates

Tentative Dates for Exams:

- Exam 1   February 13
- Exam 2   March 13
- Exam 3   April 10
- Exam 4   May 8
- Final Exam   May 20

NO CLASS

- February 18   (Washington's Birthday)
- March 25 – March 31 (Spring Recess)

Last day to:
- enroll   February 1
- drop with refunds   February 1
- drop without a W   February 3
- drop with a W   April 21

Attendance

Consecutive, unexcused absences (3 or more) <u>may</u> result in the student being dropped from the course. Please notify me of any absences in advance either by email or in-person during class (email is best). <u>Students with perfect attendance will earn 2% of extra credit.</u>

Special Needs

If you require special needs (health or disability related issues), please contact me to discuss a plan for meeting those needs. If you are in DSP&S and wish to use their testing services, please provide me with the appropriate form.

Disruptions

Please turn your cell phone to vibrate or silent. Do not answer your cell phone or text during class. Do not talk during class. If you are too disruptive in class (excessive talking, repeatedly leaving the class to answer your phone, etc.), I may ask you to leave the class.

Ethical Conduct

Cheating will not be tolerated. Any student caught cheating on any exam or quiz will receive 0 points for that test and possibly a grade of F for the course. I will also report any cheating to the appropriate authorities on campus. The following constitute cheating:

- Exchanging (giving or receiving) information with another person during a quiz or exam
- Using aids/notes/digital devices not permitted during a quiz or exam
- Using false excuses to obtain extensions of time or special privileges
- Copying work from another person, an answer key, or solution manual and turning it in as your own.
- Helping someone else cheat.
- Breaking any other states rules for a given quiz or exam.

Disclaimer

The instructor reserves the right to alter this syllabus to conform to Los Rios Community College District Policies, state law, or to improve the quality of education offered by the class. Any changes will be announced in class.