

Math 400 - Calculus I - 11370

Summer 2011 - American River College

Course Information

Instructor:	Kristin Lui	Location:	ARC Main 167
Email:	luik@arc.losrios.edu	Meet Times:	MTWR, 6:30 pm - 9:05 pm
Website:	http://ic.arc.losrios.edu/~luik	Dates:	June 13, 2011 - August 4, 2011

Course Materials

- Required textbook: Calculus - Early Transcendentals 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:

- Evaluate limits graphically and analytically
- Compute derivatives using the definition of derivative
- Apply differentiation rules to various types of functions
- Recognize and solve application problems that require use of derivatives
- Apply anti-differentiation rules to various types of functions
- Compute definite integrals using the Fundamental Theorem of Calculus
- Recognize and solve application problems that require use of anti-derivatives

Proof of Prerequisite

Students must have taken MATH 370 with a grade of "C" or better. By June 15, 2011 (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:

Quizzes	100 points
Homework	100 points
Exams	400 points
Final Exam	200 points
Total Points	800 points

Letter grades will be assigned by the scale below:

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

Exams

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

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- Quizzes** Quizzes will be given during class meetings. Calculators, books, and notes are **NOT** allowed during quizzes. There are no make-up quizzes. Three of the lowest quiz scores will be dropped.
- Homework** Homework assignments will be posted in class and online.
- Final Exam** The final exam is cumulative. The final will be given on the last day of class: **August 4, 2011**. No make-ups!

Important Dates

Tentative Dates for Exams:

- Exam 1 June 23
- Exam 2 July 7
- Exam 3 July 19
- Exam 4 August 1
- Final Exam August 4

Other Dates

- NO CLASS July 4
- Last day to:
- enroll June 27
 - drop with refunds June 17
 - drop without a W June 28
 - drop with a W July 2

Attendance

Attendance is required. Excessive unexcused absences (2 or more) may 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). Students with perfect attendance will earn 20 points of extra credit.

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.

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.

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.

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.

Week	Monday	Tuesday	Wednesday	Thursday
1	June 13	June 14	June 15	June 16
	Introduction Section 1.1 - 1.2	Section 1.3 - 1.4	Section 2.1 - 2.2	Section 2.3 - 2.4
2	June 20	June 21	June 22	June 23
	Section 2.5 - 2.6	Section 2.7	Review	Exam 1
3	June 27	June 28	June 29	June 30
	Section 3.1 - 3.2	Section 3.3 - 3.4	Section 3.5 - 3.6	Section 3.7 - 3.8
4	July 4	July 5	July 6	July 7
	HOLIDAY	Short Review Section 3.9 - 3.10	Review	Exam 2
5	July 11	July 12	July 13	July 14
	Section 4.1 - 4.2	Section 4.3 - 4.4	Section 4.5 - 4.6	Section 4.7
6	July 18	July 19	July 20	July 21
	Review	Exam 3	Section 5.1 - 4.8	Section 5.2 - 5.3
7	July 25	July 26	July 27	July 28
	Section 5.4 - 5.5	Section 7.1	Appendix C	Review
8	August 1	August 2	August 3	August 4
	Exam 4	Review	Review	FINAL EXAM