Math 340 – Calculus for Business and Economics – 11350 Spring 2012 - American River College

Course Information

Instructor: Kristin Lui Email: luik@arc.losrios.edu Website: http://ic.arc.losrios.edu/~luik Location: Meet Times: Dates:

ARC Main 163 MW, 7:45 pm – 9:05 pm Jan. 14, 2012 – May 16, 2012

Course Materials

- Required textbook: <u>Calculus with Applications</u> by Lial, Greenwell, Ritchey, 10th 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:

- Determine quantities important in business (e.g., profit, average cost, supply and demand, etc.)
- Compute limits graphically, numerically and analytically
- Find derivatives of various functions using the Product, Quotient and Chain Rules
- Recognize and solve business applications that call for derivatives of single or multivariable functions
- Find antiderivatives of various functions using substitution, integration by parts, and other methods
- Evaluate definite integrals using the Fundamental Theorem of Calculus
- Recognize and solve business applications that call for antiderivatives of single or multivariable functions

Proof of Prerequisite

Students must have taken MATH 120 with a grade of "C" or better. **By January 25, 2012 (third class meeting), you must provide proof of satisfying the prerequisite or you will be dropped from the class.** Proof of satisfying the prerequisite is <u>one</u> of the following:

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

Grades Course grades will be Letter grades will be determined by the following: assigned by the scale below: Quizzes 100 points 90% or above А Homework 100 points 80% - 89% В Exams 400 points С 70% - 79% Final Exam 200 points D 60% - 69% F 59% or below **Total Points** 800 points

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Exams	There will be four 1-hour exams. Exams must be taken in class. Calculators, books, and notes are <u>NOT</u> allowed during exams. There are no make-up exams. <u>You have the option of replacing your lowest exam</u> score with your final score.				
Quizzes	Quizzes will be given during class meetings. Calculators, books, and notes are \underline{NOT} allowed during quizzes. There are no make-up quizzes. \underline{Two} 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: <u>Monday</u> , <u>May 14, 2012 at 8:00 pm – 10:00 pm</u> . No make-ups!				

Important Dates							
Tentative Dates for Exams:				<u>No Class</u> President's Day February	February 20		
 Example 	m 1	February 6		Spring Break	April 2 – April 8		
 Example 	m 2	March 5		1 0	1 1		
 Example 	m 3	March 28		<u>Last day to:</u>			
 Example 	m 4	April 30	•	enroll	January 29		
 Final 	ıl Exam	May 14	•	drop with refunds	January 27		
		5	•	drop without a W	February 12		
			•	drop with a W	April 15		

Attendance

Attendance is required. Excessive 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 10 points 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.

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.

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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.

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.