

MATH 130 F: CALCULUS FOR BUSINESS

Tues/Thurs, 12:00 - 1:50 pm, Room 1012

Instructor: Nancy Ikeda

CRN: 21825

Office Hours: Mon/Wed, 3 – 4:30 pm

Tues/Thurs, 2 – 3 pm

Math Lab Hours: Mon/Wed, 10 – 10:50 am

Phone: (714) 992-7398

Semester: Spring 2009

Number of units: 4

Office: 613-01

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Textbook: Larson, *Brief Calculus An Applied Approach*, 8th edition. There is an optional Student Solution Manual available.

Prerequisites: Successful completion of Math 129 or equivalent with grade of “C” or better or math skills clearance

Course Description: 4 hours of lecture per week. This is an introductory study, which includes fundamentals of analytic geometry and calculus; differential calculus, integral calculus, and selected applications of calculus; functions and managerial planning and their use in economics and business. This course also includes an introduction to linear algebra. Hand calculators will be used for selected topics. Computer applications may be included. A TI-83+ or TI-84+ will be used in this class.

Student Learning Outcomes:

Upon successful completion of the course, the student will be able to:

- apply the methods of differential calculus to optimize functions in a cost, revenue, and/or profit model.
- construct a mathematical model that includes a definite integral for various business situations and use the methods of integration to evaluate the resulting integral.

GRADING:

Classwork includes attendance, participation, and any other work (Exit problems, etc.) completed during class. Be sure to come to class on time since quizzes will be given at the beginning of class! Excessive tardies/absences will result in being dropped from the class.

Quizzes will be given at the beginning of each class, except on exam days. You will be quizzed on material from the previous lecture and homework assignment. You may not be allowed to use a calculator on some quizzes. No make-up quizzes will be given. Your lowest 2 quiz scores will be dropped.

Exams will be given throughout the semester. There are 4 (non-comprehensive) exams and 1 (comprehensive) final. There will be **NO MAKE-UP EXAMS**. Your lowest exam score will be dropped, but not the final. If you miss an exam regardless of reason, you will get a score of 0. Exams will be based on the lectures, text and homework. Calculators are optional, and cellular phones, MP3 players, and PDAs will NOT be allowed on quizzes or exams.

Note: Homework will be assigned each lecture day but will not be collected. It is your responsibility to keep up with the homework.

Grading breakdown is as follows:

Classwork 5%

Quizzes 25%

Exams 45%

Final Exam 25% Final exam will be Thursday May 14, 11 am – 1 pm

Final course grades will be based on 90% A, 80% B, 70% C, 60% D and below 60% F.

*grading is subject to change at the discretion of the instructor

Academic Honesty: Cheating is illegal and will not be tolerated. This includes copying another's work, plagiarizing, and aiding another student in cheating. Cheating will result in a score of 0 for the assignment in question. Violators will be dealt with according to the policy in the FC catalog.

Attendance: You may be dropped from this course if you miss more than 4 classes. This could result in a "W" or even an "F." Make sure to drop by the deadline if you do not want an "F." By college policy, if the instructor is more than 15 minutes late, students may leave without penalty unless instructed to wait by the Math Division.

Student Responsibilities:

- **NO CELL PHONES DURING CLASS!!** Turn them off and put them away during class.
- Always come to class (on time!), take notes, read the textbook, and do the homework
- Bring all materials / supplies (text, paper, pencils, erasers, calculator, homework, etc.) to class
- A graphing calculator (TI-83+ or TI-84+) will be used in this class (cost: about \$100)
- Have extra batteries (AAA) on hand for when your batteries die
- Use a pencil for all work turned in
- Do NOT hesitate to ask questions in class or come by during office hours!
- Exchange phone numbers with classmates in case you miss class or want to form a study group
- If you need additional help, try the Tutoring Center in the Library Learning Resource Center
- There are graphing calculators as well as textbooks available for loan from the Library
- Children are not allowed on campus unless accompanied by a parent / guardian. They may not attend classes and should never be left unsupervised on campus.
- Grievances, grade appeals and disruptive conduct will be dealt with according to the policy in the FC catalog. Please familiarize yourself with all college policies.
- As cited in BP5500, "A student who violates the standards of student conduct shall be subject to disciplinary action including, but not limited to, the removal, suspension or expulsion of the student."

Please take note of the safety features in and close to your classroom, as well as study the posted evacuation route. The most direct route of egress may not be the safest because of the existence of roofing tiles or other potentially hazardous conditions. Similarly, running out of the building can also be dangerous during severe earthquakes. During strong quakes the recommended response is to duck, cover, and hold until the shaking stops. Follow the guidance of your instructor. You are asked to go to the designated assembly area. Your cooperation during emergencies can minimize the possibility of injury to yourself and others.

Fullerton College is committed to providing educational accommodations for students with disabilities upon timely request by the student to the instructor. Verification of the disability must also be provided. Disability Support Services functions as a resource for students and faculty in the determination and provision of educational accommodations.

Tentative Schedule for Math 130, Spring 2009

<u>Date</u>	<u>Sections</u>	<u>Homework</u>
Tues 1/13	Review	
Thurs 1/15	1.5	
Tues 1/20	1.6	
Thurs 1/22	2.1	
Tues 1/27	2.2	
Thurs 1/29	2.3	
Tues 2/3	2.4	
Thurs 2/5	Exam 1	
Tues 2/10	2.5, 2.6	
Thurs 2/12	3.1	
Tues 2/17	3.2	
Thurs 2/19	3.3	
Tues 2/24	3.4	
Thurs 2/26	3.5	
Tues 3/3	3.8	
Thurs 3/5	Exam 2	
Tues 3/10	3.6	
Thurs 3/12	3.7	
Tues 3/17	4.1, 4.2, 4.3	
Thurs 3/19	4.4, 4.5	
Tues 3/24	4.6	
Thurs 3/26	5.1	
Tues 3/31	Exam 3	
Thurs 4/2	5.2, 5.3	
Tu/Th 4/7-9	spring break	
Tues 4/14	5.4	
Thurs 4/16	5.5	
Tues 4/21	6.1, 6.3	
Thurs 4/23	6.5	
Tues 4/28	7.1, 7.2	
Thurs 4/30	Exam 4	
Tues 5/5	7.3, 7.4	
Thurs 5/7	7.5	
Tues 5/12	Review	
Thurs 5/14	Final	11 am – 1 pm