CSU EAST BAY – FALL 2017
MATH 1304: CALCULUS I

INSTRUCTOR: Jesús Oliver, Ph.D.  CLASS MEETS:  TTh 12:00 - 1:50pm
E-MAIL: jesus.oliver@csueastbay.edu  CLASSROOM:  Science N 221
OFFICE:  SF 548  PHONE:  (510) 885-2947

OFFICE HOURS  Tue & Thu 4:00 – 5:00 pm in SF 548 or by appointment

REQUIRED MATERIALS  Web Assign Access Code

Homework will be done online at www.webassign.net. Access codes for this software may be purchased in the bookstore or at the site above. The access code includes an electronic copy of the textbook. This e-book can only be accessed online and cannot be downloaded.

OPTIONAL MATERIALS  Printed Textbook: Calculus (8th Ed.) by James Stewart
Student Solutions Manual
Scientific Calculator

Note: Scientific calculators are allowed during exams. Graphing calculators are not allowed.

RECOMMENDED RESOURCE  www.wolframalpha.com

This FREE website has all the built-in functionality of a graphing calculator plus a computer algebra system. The website accepts free-form input, in natural language. For example, try typing: “derivative of 5x^2”

IMPORTANT DATES  09/26  Last day to add classes w/o dept. permission
10/03  Last day to drop without ‘W’
11/07  Last day to drop with ‘W’ (need my signature)
11/23  Thanksgiving Day (No classes)
12/05  Final Exam

PREREQUISITES  MATH 1300 Trigonometry

DESCRIPTION  Differential Calculus. Limits and continuity. Exponential and logarithmic functions. Techniques and applications of differentiation.
STUDENT LEARNING OUTCOMES
1. Understand the concept of a limit and its use to evaluate quantities not otherwise directly computable.
2. Understand the derivative as a rate of change and recognize rates of change in applications as derivatives.
4. Skillfully analyze first and second derivatives to identify important features of a function.
5. Construct models for applications and apply derivatives to these models to analyze the application. Answer question regarding rates of change and extreme values.

CLASS WORK
Much of the learning in this course occurs during classroom activities, thus, your participation is very important. Classwork will include discussions, worksheets and other group exercises. Research shows that actively engaging in these group activities will help you solve HW problems faster, minimize test anxiety, and strengthen your problem-solving skills.

GRADES
Your course grade will be the best of the following two weighted averages:
1. 25% Web Assign Homework, 5% Quizzes, 20% Midterm Exam 1, 20% Midterm Exam 2, 30% Final Exam;
2. 25% Web Assign Homework, 5% Quizzes, 20% Best Midterm Score, 50% Final Exam.

After your weighted average is calculated, letter grades will be assigned based on the standard grading scale:

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<tr>
<th></th>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D</th>
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<tr>
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<td>80</td>
<td>77</td>
<td>73</td>
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<td>60</td>
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I may adjust the above scale to be more lenient (depending on the overall class performance) but I guarantee that I will not adjust the scale to make it harder to get a better grade.

MIDTERM EXAMS
There will be two (2) midterm exams during regular class meetings – see course schedule below for specific dates. You will be allowed to use a scientific calculator during the exams. You may also bring one handwritten 8.5 by 11 in. sheet of notes with you. You can write on both sides of the paper.
The final exam will take place on:

Tuesday December 5th from 12:00pm to 1:50pm at Science N221.

**The final exam is cumulative.** You must take the final exam in order to pass the course. You can also use a scientific calculator during the final. You may also bring **TWO handwritten** 8.5 by 11 in. sheets of notes with you (four pages total).

### HW

We will have a combination of online and written HW. The online HW will be done through the Web Assign website. To get started please log onto: [www.webassign.net](http://www.webassign.net). The course name and ID are:

Math 1304 Fall 17, section 4        Course Key: csueastbay 1372 6599

Please register for Web Assign using your CSUEB e-mail and student ID. If you register using Gmail or some other account, your HW scores may be lost!

### HW POLICY

There will be weekly HW in this class. The online HW will be due each week on Tuesdays at 1:00am. The first online HW will be due on Tuesday Oct. 3rd at 1:00am. Due dates for the written HW will be discussed in class.

### SUGGESTION

Even though you will enter your HW answers on Web Assign directly, I recommend printing each HW assignment and working on each problem step-by-step using pencil and paper. This is great practice for the exams.

### SYLLABUS QUIZ

There’s a syllabus quiz posted on Web Assign. It has eight questions total and will count 1% of your final grade (tallied onto the Quiz Score).

### IN CLASS QUizzes

There will be two in class Quizzes (see calendar below for dates). Each of these quizzes will have four questions and focus on basic computations. Each quiz will be worth 2% of your final letter grade. There will be no make up quizzes. However, there will be other in-class opportunities for extra credit.

### GRACE PERIOD

You may use Web Assign for **free** for the first fourteen consecutive days. After this period, you must purchase a code to continue using the site.
1. There are no make-up exams. If you miss a midterm, your course grade will be computed with the final exam counting 50% of your weighted grade.

2. Homework problems may not be turned in late.

HELP
I am available to answer questions by e-mail. You may also come to my office hours on Tue, Thu 4:00 – 5:00pm in SF 548. You may also make an appointment to meet me at other times/days.

TUTORING
The Student Center for Academic achievement (SCAA) offers free tutoring for students. It is located on the second floor of the library upper mall (UM). See also: http://library.csueastbay.edu/scaa/

DISABLED STUDENTS
If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency situation, please contact me as soon as possible. Students with disabilities needing accommodation should also speak with the accessibility services office.

ACADEMIC DISHONESTY
By enrolling in this class you agree to uphold the standards of academic integrity at:
www.csueastbay.edu/ecat/current/i-120grading.html#section12

EMERGENCY INFO
Information on what to do in an emergency situation (earthquake, electrical outage, fire, extreme heat, severe storm, hazardous Materials, terrorist attack) may be found at:
www.aba.csueastbay.edu/EHS/emergency_mgmt.htm
Please be familiar with these procedures. Information on this page is updated as required. Please review this information on a regular basis.
CSU East Bay

MATH 1304 TENTATIVE SCHEDULE

Note: This calendar is subject to revision during the term. The section references are only a guide; your instructor may vary from it.

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<th>Week</th>
<th>Tuesday</th>
<th>Thursday</th>
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<tr>
<td>0</td>
<td>Sep. 19 (No classes)</td>
<td>Sep. 21 Syllabus, Review, 1.1, 1.2</td>
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<tr>
<td>1</td>
<td>Sep. 26 1.3, 1.4, 1.5</td>
<td>Sep. 28 1.5, 2.1, 2.2</td>
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<tr>
<td>2</td>
<td>Oct. 3 2.2</td>
<td>Oct. 5 Quiz 1 2.3</td>
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<td>3</td>
<td>Oct. 10 2.5</td>
<td>Oct. 12 2.6</td>
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<td>4</td>
<td>Oct. 17 2.6 &amp; Review</td>
<td>October 19 Midterm 1</td>
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<td>5</td>
<td>Oct. 24 2.7, 2.8</td>
<td>Oct. 26 2.8, 3.1</td>
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<td>6</td>
<td>Oct. 31 3.1, 3.2</td>
<td>Nov. 2 Quiz 2 3.3, 3.4</td>
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<td>7</td>
<td>Nov. 7 3.4, 3.5</td>
<td>Nov. 9 3.5, 4.1</td>
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<td>8</td>
<td>Nov. 14 4.3 &amp; Review</td>
<td>Nov. 16 Midterm 2</td>
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<td>9</td>
<td>Nov. 21 4.7</td>
<td>Nov. 23 Thanksgiving (No classes)</td>
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<td>10</td>
<td>Nov. 28 4.2, 4.4</td>
<td>Nov. 30 Review &amp; Catch Up</td>
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<td>Final Week</td>
<td>Dec. 5th Final Exam 12:00pm to 1:50pm</td>
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Supplemental Instruction (SI) for Math 1304
SI Leader: Egxona Ferati

- SI are study sessions offered **FREE** and voluntary for this course.
- SI sessions are for all students and start from week 1.
- SI sessions are led by SI leader who has already mastered the course material and has been trained to facilitate the sessions.
- SI sessions help students to improve their understanding of course material, review and discuss important concepts, develop study strategies, and prepare for exams (midterms and finals).
- Data shows that students who attend SI sessions on regular basis typically earn higher exam grades than students who don’t attend.
- For best results, prepare by reading your notes, bring your textbook and questions that you have to each session.

**Your SI Leader for this course is:**
- Egxona Ferati
- Egxona will work with the class to find the best time to run the SI sessions.