Math 1304 Calculus I Fall 2017

Professor Dr. Olkin
Office Hours SF 546: Tuesdays 11am-11:55am and Thursdays 12:30pm-1:50pm

Note: I am frequently in my office on Tuesdays from noon to 1:50pm. On the 1st and 3rd Tuesdays I have meetings.
You can make an appointment to meet me at other times/days

Office Phone (510) 885-7487 (not a good idea to leave me voice mail)
Email julia.olkin@csueastbay.edu
Textbook (Not required) James Stewart, Calculus Early Transcendentals, 8th edition, Cengage Learning, 2016. Also available in the library on permanent reserve (2-hour checkout). If desired, you can buy an older edition very cheaply, as an extra resource.

Prerequisites Math 1300 (Trigonometry) which requires Math 1130 (College Algebra)
Calculators A graphing calculator is highly recommended, such as TI 83/84/86/89
SI Leader Supplemental Instruction Leader is Bhavdeep Singh, bsingh12@horizon.csueastbay.edu

Student Learning Outcomes Students will:

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.

3. Acquire proficient technical skill in finding limits and derivatives using limits and formulas.

4. Skillfully analyze first and second derivatives to identify important features of a function.

5. Construct models for applications and apply derivatives to the models to analyze the application and answer questions regarding rates of change and extreme values.

Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
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<tbody>
<tr>
<td>Sept. 26</td>
<td>Tues.</td>
<td>Last day to add classes without instructor permission</td>
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<tr>
<td>Oct. 3</td>
<td>Tues.</td>
<td>Last day to add classes WITH Instructor permission</td>
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<td>Nov. 7</td>
<td>Tues.</td>
<td>Last day to withdraw from classes</td>
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<td>Nov. 30</td>
<td>Thurs.</td>
<td>Last day of Math 1304 class</td>
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<tr>
<td>Dec. 7</td>
<td>Thurs.</td>
<td>Final Exam, 2-3:50pm</td>
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Overview of Grades

<table>
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<tr>
<th>%</th>
<th>Item</th>
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<tbody>
<tr>
<td>20</td>
<td>Homework (Written and WebAssign)</td>
</tr>
<tr>
<td>25</td>
<td>Exam 1</td>
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<tr>
<td>25</td>
<td>Exam 2</td>
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<tr>
<td>30</td>
<td>Final Exam</td>
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Grading Policy – Homework (online and written)—20% of grade

• There is a combination of online homework using WebAssign, and written homework (weekly assignments). You must purchase a WebAssign access code online. Access codes cannot be shared! Our class site key is csueastbay 7609 2576. See the two WebAssign handouts on Blackboard for instructions and guidelines on enrolling in our course. All WebAssign homework will be due on Tuesday at 1:00am each week.

• Absolutely NO late homework will be accepted due to sickness, absences, etc. Instead, I automatically drop ONE homework grade.

• If you know you will be absent, you can send it to me electronically in PDF format, by 2:00pm. Please Note: your homework must be in ONE file, not multiple attachments.

• Homework: you are free to get help from each other, from me, from others. Email me with questions if you are stuck. Remember, No Work = No Credit.

• Written homework and their SOLUTIONS will be posted on Blackboard. Please go there to find anything you have missed.

• Staple the upper left-hand corner. Ideally (but not required), use my homework sheets as your cover page.

• Use binder sized paper, no oversized paper, and no frayed edges (torn from a spiral notebook). Do not fold homework in half. Circle or highlight answers, if appropriate. MAKE IT EASY for the grader to follow your work.

Grading Policy – Exams—80% of grade

• Two exams (25% each) will be given, tentatively scheduled for 10/19/17 and 11/14/17. (these dates are subject to change). I will give plenty of notice.

• The Final Exam is worth 30% of the grade

• If you receive less than 50% on the final, I have the right to fail you, even if you have not received failing grades on the exams or homework. I may not choose to do so, however.

• All exams must be taken in order to pass this course. Alternatives to the exams MUST be arranged in advance and can only happen with my permission.

Gateway Exams

• Being able to differentiate is a fundamental requirement of this course. You must show proficiency in differentiation. I will use the Exams/Final to test applications of differentiation rather than the basic skills involved.

• A Gateway Exam has 10 differentiation problems. A passing grade on the Gateway is 8 or higher. I will give the Gateway in class, once. If you pass the Gateway in class, it will raise a bad homework assignment grade. If you do not pass the Gateway in class, you may take it with me during office hours, or at designated times outside of class, to be determined later. I will also attach an “absolutely last chance” Gateway to your Final Exam. If you do not pass the Gateway, your grade will be lowered by a full letter grade. (That is, a C+ becomes a D+). This may mean that you fail the course if your course grade is already a C- or below.

For information on Tutoring Help, Academic Dishonesty, or Accessibility Services, please see the online version of this syllabus on Blackboard.