



## Math 1B.13 – Calculus II

Fall 2025

Meets: TuTh, 1:30 PM to 3:45 PM

Room: E32

<b>Instructor:</b> Lilit Mazmanyanyan	
<b>Contact:</b> <a href="mailto:mazmanyanyanlilit@fhda.edu">mazmanyanyanlilit@fhda.edu</a>	<b>Office hours:</b> Thursday, 11:00 AM – 12:00 PM Online via Zoom (check Canvas course for instructions)

This class meets **on-campus** each week on scheduled days and times. Outside of class times, we will communicate during our office hours or via Canvas Inbox, discussion board, or via email. You can access our course on Canvas via MyPortal as you are enrolled in the course or using the direct link [Dashboard \(instructure.com\)](#) with your MyPortal login credentials. Check Canvas announcements periodically. Information about Canvas can be found on the Student Resources page: [Student Resources \(instructure.com\)](#).

### Course Description

This course examines the fundamentals of integral calculus.

### Course Objectives

- Analyze and explore aspects of the integral calculus.
- Analyze and evaluate the definite integral as a limit of a Riemann sum and examine its properties
- Examine the Fundamental Theorem of Calculus
- Find definite, indefinite, and improper integrals using various techniques
- Apply the definite integral to applications
- Examine differential equations

### Requisites

**Prerequisite:** MATH 1A or 1AH.

**Advisory:** ESL 272 and ESL 273, or ESL 472 and ESL 473, or eligibility for EWRT 1A or EWRT 1AH or ESL 5

### Textbook

James Stewart, Daniel Clegg & Saleem Watson "Calculus: Early Transcendentals", bundled with WebAssign Access Code, 9th Edition, Cengage 2021.

You can choose to buy only the **WebAssign Access Code** and have access to the **e-book** and online assignments.

Homework and tests must be completed online using WebAssign software.

You need a Class Key and Access Code for WebAssign.

- **CLASS KEY** to register on WebAssign **WILL BE SENT TO YOU BY EMAIL**.  
You must self-register at <http://www.webassign.net> to use the WebAssign.
- **ACCESS CODE** can be purchased online after signing in WebAssign or through De Anza College bookstore.
- WebAssign is FREE for the first two (2) weeks of the quarter only.

Follow the link for additional information on [Cengage/WebAssign](#).

### Calculators

- A TI-83 PLUS, TI-84 or TI-84 PLUS graphing calculator is recommended for this course or the equivalent one.

- You can use an online calculator via a website, such as DESMOS (<https://www.desmos.com>) or GeoGebra (<https://www.geogebra.org>), for the homework and group activities.
- Weekly course lectures and assignments, other resources, grades, and announcements will be published on our Canvas course (<https://deanza.instructure.com>).

<b>Homework (HW)</b>	<ul style="list-style-type: none"> <li>Homework must be completed online through WebAssign.</li> <li>Most homework assignments are due on Sunday. There will be some homework due on a scheduled weekday. Follow the Canvas and WebAssign for deadlines.</li> <li>After the due date/time, HW cannot be submitted for credit.</li> <li>Answer key is available online after the deadline.</li> <li>You are allowed to request three homework extensions for the quarter. The answer key must not be followed if you choose to request an extension.</li> <li>The lowest homework score will be dropped.</li> <li>You can ask your HW questions during our office hours or anytime through “ask my teacher” on WebAssign or through Canvas Inbox.</li> </ul>
<b>Group Work (GW)</b>	<ul style="list-style-type: none"> <li>GW will be assigned randomly during our course time.</li> <li>GW must be completed in groups of at least two and no more than four.</li> <li>Topics and details will be discussed in class.</li> <li>Due date will be announced.</li> <li>Group Work is graded based on group discussions, simulation analysis and problem solving.</li> <li>It is your responsibility to join group discussions not to miss any point.</li> </ul>
<b>Quizzes (Q)</b>	<ul style="list-style-type: none"> <li>Quiz is closed book.</li> <li>There are five quizzes based on classwork and homework problems.</li> <li>One page of notes, HANDWRITTEN, (one side 8.5 x 11-inch) is allowed.</li> <li>NO MAKE-UP QUIZZES are given.</li> <li>Missed quiz is graded as a zero (0).</li> <li>The lowest quiz score will be dropped.</li> </ul>
<b>Exams &amp; Final Exam (EX,FE)</b>	<p>There will be four (4) examinations.</p> <ul style="list-style-type: none"> <li>EX 1, 2 &amp; 3 are one hour each and Final exam is two (2) hours.</li> <li>EX 1, 2 &amp; 3 and the FE dates are on the course schedule.</li> <li>Exams are closed book.</li> <li>One (1) sheet of notes (double-sided 8.5 x 11-inch), HANDWRITTEN, is allowed for the Exams 1, 2 &amp; 3.</li> <li>Two (2) sheets of notes (double-sided 8.5 x 11-inch), HANDWRITTEN, are allowed for the Final Exam.</li> <li>Bring graphing calculator, spare batteries, pencils, ruler, sharpener, and eraser.</li> <li>There are NO MAKE-UP examinations.</li> <li>An absence from any examination earns a grade of zero (0).</li> <li>You MUST take the final exam to pass the course.</li> </ul> <p>Check the announcements and follow the course schedule on Canvas and WebAssign.</p>

<b>Grading</b>	<p>Students will be graded on homework (HW), group works (GW), quizzes (Q), and exams (EX1, 2 &amp; 3, FE).</p> <p><b>Distribution of weights for each category</b></p> <table border="1"> <thead> <tr> <th>Category</th> <th>% Weight on Final Grade</th> </tr> </thead> <tbody> <tr> <td>Homework</td> <td>10 %</td> </tr> <tr> <td>Group Work</td> <td>10 %</td> </tr> <tr> <td>Quiz</td> <td>15 %</td> </tr> <tr> <td>Exam 1</td> <td>15 %</td> </tr> <tr> <td>Exam 2</td> <td>15 %</td> </tr> <tr> <td>Exam 3</td> <td>15 %</td> </tr> <tr> <td>Final Exam</td> <td>20 %</td> </tr> </tbody> </table> <p><b>Grading Scale</b></p> <table border="1"> <tbody> <tr> <td></td> <td></td> <td>A</td> <td>94-100</td> <td>A-</td> <td>90-93</td> </tr> <tr> <td>B+</td> <td>87-89</td> <td>B</td> <td>83-86</td> <td>B-</td> <td>80-82</td> </tr> <tr> <td>C+</td> <td>77-79</td> <td>C</td> <td>70-76</td> <td>D</td> <td>60-69</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>F</td> <td>&lt;60</td> </tr> </tbody> </table> <p><b>Extra Credit</b></p> <p>During the course you will have opportunities for extra credits. There will be extra problems included in the coursework.</p>	Category	% Weight on Final Grade	Homework	10 %	Group Work	10 %	Quiz	15 %	Exam 1	15 %	Exam 2	15 %	Exam 3	15 %	Final Exam	20 %			A	94-100	A-	90-93	B+	87-89	B	83-86	B-	80-82	C+	77-79	C	70-76	D	60-69					F	<60
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### Important Dates and Deadlines

[Academic Calendar \(deanza.edu\)](http://deanza.edu)

<b>Monday</b>	<b>September 22</b>	First day of Fall Quarter 2025
<b>Sunday</b>	<b>October 5</b>	Last day to drop classes without a "W"
<b>Sunday</b>	<b>October 5</b>	Last day to add classes
<b>Tuesday</b>	<b>November 11</b>	Veterans Day holiday – no classes; offices closed
<b>Friday</b>	<b>November 14</b>	Last day to drop classes with a "W"
<b>Thursday-Sunday</b>	<b>Nov. 27 – Nov. 30</b>	Thanksgiving holiday – no classes; offices closed
<b>Tuesday</b>	<b>December 9</b>	Final examination

### Student services and support

[Your Guide to the Quarter](#)

- Tutoring and Library Help
- Computers and Tech Products
- Internet Access
- Food and Financial Assistance
- Health and Psychological Services
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- [Canvas Help](#): Need technical support with Canvas? This page has information on how to get help.

### Attendance, Drops or Withdrawals

- Regular online attendance is essential for success in the course.
- You must not miss a class in the first week of the quarter or you will be dropped.
- It is the student's responsibility to drop or withdraw from this course by the college deadlines.

**Academic Honesty and Discipline Policy:**

Students are expected to abide by the DeAnza College Code of Conduct and not participate in academic dishonesty.

[https://www.deanza.edu/policies/academic\\_integrity.html](https://www.deanza.edu/policies/academic_integrity.html)

**Student Success Center**

<http://deanza.edu/studentsuccess/mstrc/>

The SSC provides free tutoring services, including individual, drop-in, group, in-class, and workshop sessions.

Tutoring hours are Monday through Thursday, 9:00 AM - 6:00 PM.

You can use online tutoring through [NetTutor](#).

**Disability Support Services**

<https://www.deanza.edu/dsps/dss/>

Students with disabilities who qualify for academic accommodation must provide a notification from the Disability Support Services (DSS) and discuss their specific needs with the instructor at the beginning of the quarter.

For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) please contact Disability Support Services (DSS).

Phone number: (408) 864-8838

Registration and Student Services Bldg., RSS 141

Email: [dss@deanza.edu](mailto:dss@deanza.edu)

**Tentative Schedule**

	Tuesday	Thursday
<b>Week 1</b>	September 23 <b>Syllabus/Section 5.1</b>	September 25 <b>Section 5.2</b>
<b>Week 2</b>	September 30 <b>Sections 5.3 and 5.4</b>	October 2 <b>Section 5.5</b> <b>Quiz 1</b>
<b>Week 3</b>	October 7 <b>Sections 6.1 and 6.2</b>	October 9 <b>Section 6.3</b> <b>Quiz 2</b>
<b>Week 4</b>	October 14 <b>Sections 6.4 and 6.5</b>	October 16 <b>Section 7.1</b> <b>Exam 1 (one hour)</b>
<b>Week 5</b>	October 21 <b>Sections 7.2 and 7.3</b>	October 23 <b>Section 7.4</b> <b>Quiz 3</b>
<b>Week 6</b>	October 28 <b>Sections 7.5 and 7.6</b>	October 30 <b>Section 7.7</b> <b>Quiz 4</b>
<b>Week 7</b>	November 4 <b>Section 7.8</b>	November 6 <b>Section 8.1</b> <b>Exam 2 (one hour)</b>
<b>Week 8</b>	November 11 Veterans Day holiday – no clas	November 13 <b>Sections 8.2 and 8.3</b>
<b>Week 9</b>	November 18 <b>Sections 8.4 and 8.5</b>	November 20 <b>Sections 9.1 and 9.2</b> <b>Quiz 5</b>
<b>Week 10</b>	November 25 <b>Section 9.3</b> <b>Exam 3 (one hour)</b>	November 27 Thanksgiving holiday – no class
<b>Week 11</b>	December 2 <b>Section 9.4</b>	December 4 <b>Section 10.2 &amp; Review</b>
<b>Week 12</b>	December 9 <b>Final Exam (two hours):</b> <b>Chapters 5, 6, 7, 8, 9 &amp; 10 (covered sections)</b> <b>1:45-3:45 PM</b>	

- Any change in schedule is announced during class. Students are responsible for keeping track of schedule changes.
- Final Exam date/time is the college mandated official final exam date/time.
- The **due dates for HW** assignments can be found on WebAssign.
- **Group Work** is assigned randomly during class time and the due dates will be announced.
- Course materials (syllabus, lecture presentations, quiz/exam answer keys and additional resources) are uploaded onto *Canvas*. It is accessible to you via MyPortal as you are enrolled in the course. You can also access into *Canvas* using direct link (<https://deanza.instructure.com>) with your MyPortal login credentials.

**Student Learning Outcome(s):**

- Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
- Formulate and use the Fundamental Theorem of Calculus.
- Apply the definite integral in solving problems in analytical geometry and the sciences.

**Office Hours:**

T,TH	11:00 AM - 12:00 PM	Zoom
TH	10:00 AM - 12:00 PM	Zoom