



Math 1B: Calculus II
Summer 2026, CRN 13665, Section 05
Monday to Thursday 10am to 12:15pm
Multimedia Learning Center (MLC), Room 113

Instructor Information

| | |
|-------------------------|--|
| Instructor: | Andrew Jianyu Yu |
| Email: | yuandrew@fhda.edu |
| Office Location: | E37 |
| Office Hours: | Faculty members do not have office hours during the summer. You are welcome to ask me questions after class or by email. |

Course Description

This course examines the fundamentals of integral calculus.

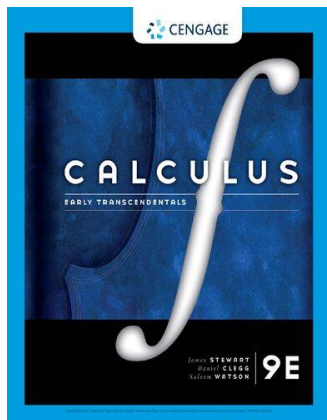
Student Learning Outcomes (SLOs)

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

Prerequisite

MATH 1A or MATH 1AH (with a grade of C or better) or equivalent.

Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273



Required Textbook

Calculus: Early Transcendentals 9th Edition by James Stewart.

Publisher: Cengage Learning; 9th edition (January 9, 2020); Language: English; Hardcover: 1376 pages; ISBN-10: 1337613924; ISBN-13: 978-1337613927

Item Weight: 5.45 pounds

Dimensions: 8.6 x 1.9 x 10.1 inches

Important Notes: It is not necessary to purchase a hard copy of this book because you will not be asked to solve

textbook problems on paper. The 8th edition is uploaded to "Files" on Canvas.

Topics To Be Covered in This Course:

| | |
|--|---|
| Chapter 5: Integrals Section 5.1: Areas and Distances Section 5.2: The Definite Integral Section 5.3: The Fundamental Theorem of Calculus Section 5.4: Indefinite Integrals and the Net Change Theorem Section 5.5: The Substitution Rule | Chapter 6: Applications of Integration Section 6.1: Areas Between Curves Section 6.2: Volumes Section 6.3: Volumes by Cylindrical Shells Section 6.4: Work Section 6.5: Average Value of a Function |
| Chapter 7: Techniques of Integration Section 7.1: Integration by Parts Section 7.2: Trigonometric Integrals Section 7.3: Trigonometric Substitution Section 7.4: Integration of Rational Functions by Partial Fractions Section 7.5: Strategy for Integration Section 7.6: Integration Using Tables and Computer Algebra Systems Section 7.7: Approximate Integration Section 7.8: Improper Integrals Chapter 9: Differential Equations | Chapter 8: Further Applications of Integration; Section 8.1: Arc Length Section 8.2: Area of a Surface of Revolution Section 8.3: Applications to Physics and Engineering Section 8.4: Applications to Economics and Biology Section 8.5: Probability |
| Section 9.1: Modeling with Differential Equations | Section 9.3: Separable Equations Section 9.4: Models for Population Growth Section 9.2: Direct Fields and Euler's Method |

Graphing Calculator

Graphing calculator is strongly **recommended** for the course. TI-84 Plus or Plus CE is highly recommended. This calculator is widely used in math, science, and engineering courses. You are required to bring a physical calculator to the exam, and sharing calculator is considered as cheating incident. Using the calculator apps on your phone is strictly prohibited on the exam. It is the student's responsibility to ensure that the calculator does not have Internet connectivity or unauthorized communication capabilities. The instructor reserves the right to inspect students' calculators during an exam.



Technical Requirements

Your Email: Please check your email regularly. If possible, connect your email with an app in your smartphone. You are encouraged to reach out with questions related to course content, assignments, or academic concerns. Professional communication is expected in all email correspondence. **Please follow the subject line format below.**

“Math 1B: _____”

You write your inquiry after the colon. For example

Math 1B: Request Extension for Homework 3

WebAssign: All online homework, online quizzes, and online exams are completed on WebAssign. A paid account is required after the free trial period. If an assignment requires written work, you must scan and upload your work to Canvas for credit.

Canvas: Canvas is used for lecture materials, announcements, and course communication. Weekly modules contain notes and assignments. Grades from WebAssign are automatically synchronized to the Canvas gradebook.

At least one homework assignment and one quiz will be assigned each week. Students are responsible for checking both Canvas and WebAssign regularly for updates and deadlines. Failure to stay informed will not be accepted as a valid reason for missed work.

WebAssign Class Key and WebAssign-Canvas Integration

Use the link in the first module to register your account. Please take the advantage of the free trial and do not pay anything yet. **All purchases are non-refundable. There is no class key** for this course because WebAssign has been integrated to Canvas. [Click “Cengage Technical Support”](#) to contact a customer representative if you experience any technical or payment issues.

The screenshot shows a Canvas course page for 'Stewart Calculus Early Transcendentals 9e MultiTerm Webassign'. The page lists several items with status indicators (green checkmarks or plus signs) and three-dot menus. Red arrows point from text boxes to specific items:

- Course Name:** Points to the first item, 'Su26 MATH D001B Calculus II 05 Yu 13665 10am'. The text box says: 'Course Name. If WebAssign asks for a course name, this is the name.'
- access WebAssign:** Points to the 'Cengage WebAssign' item.
- Tech Support:** Points to the 'Cengage Technical Support' item.

| Item Name | Status |
|--|--------|
| Su26 MATH D001B Calculus II 05 Yu 13665 10am | + |
| Cengage WebAssign | ✓ |
| Cengage Technical Support | ✓ |
| Cengage Student Dashboard/Instructor Center | ✓ |
| eBook for StewartCleggWatsons Calculus Early Transcendentals | ✓ |
| Companion Site | ✓ |

Canvas

There are a few places that you have to visit frequently on Canvas.

- **Modules**
Each weekly module shows the notes and homework of that week.
- **Grades**
Scores will be transferred from WebAssign to Canvas. Instructor will update the grade book weekly.
- **Files**
Notes, books, and syllabus
- **Discussion**
If we want to have a discussion regarding any topics, we will do this in the Discussion tab.
- **Announcement**
Emergencies, date change, change of plans, and etc

Mandatory Attendance

Students who miss 4 or more meetings may be subject to administrative drop in accordance with college policy.

Scanning Your Paperwork for Online Exams and Online Quizzes

Other than homework, you have to show your work for all online exams and for some online quizzes. Use one of the options below to upload your work to Canvas for credit. For either option below, number the problem and the page. Clearly label each problem and organize your work so that it can be followed logically and efficiently. If an application problem has long problem statements, or a problem provides a very complicated graph (e.g. three-dimensional image), it is not necessary to copy the problem statements or the graph.

1. If you write all your work using a note-taking apps, save it as a PDF file and upload that file to Canvas.
2. If you have a scanner, scan all the pages, save them as **one PDF document**, and upload the file to Canvas.
3. If you do not have a scanner, download the free app called **Genius Scan – PDF Scanner App** (highly rated on app stores). Take a picture of each page, use the app to merge all the pictures into **one PDF documents**, and upload the file to Canvas.



NOTE: Points will be deducted if you upload multiple images.

The due date of all the assignment follows the U.S. Pacific Standard Time (PST).

Homework & Discussion, 10% of the Course Grade

| Online Homework | Written Homework |
|---|---|
| Must be completed on WebAssign. The system will grade your answer and give you a grade. You are recommended to show all your work but you do not need to submit a proof of your work. | Must be written on paper. Instructors will provide the problems. You must present all your work on paper and submit your work to Canvas for credit. |

For in-class discussion: students will be solving problems in groups, The instructor will actively engage with each group by providing guidance, asking questions, and supporting students’ reasoning. Points will be awarded based on the answers and participation. Collaborative learning is an important part of this course, and students are expected to participate actively.

For other discussion: topics will be posted on Canvas’s “Discussion”, follow the directions and write your response. These free-response discussions have no right or wrong answer. To receive full credits, you must reply to one other student’s discussion.

Quiz & Pop Quizzes, 20% of the Course Grade

The dates and topics of each quiz will be announced in advance.

| Online Quiz | Written Quiz |
|--|---|
| Access the quiz from Canvas or WebAssign. Individual assignment, do your own work. You need to show all your work and upload the proof of your work to Canvas. “Quiz1P”, “Quiz2P”, The letter <i>p</i> represents paperwork. | Either a take-home written quiz or in-person written quiz. The “open-notes” options will be announced in advanced. You will get several problems typed on a sheet of paper and you must present all your work on paper. |

Pop Quiz

To encourage consistent engagement, unannounced pop quizzes may be given. Each quiz will focus on that day's topics and must be completed in a 10-minute window. You may use your notes and a calculator. Please note that these quizzes are time-sensitive, and make-up options are not available.

Students are expected to demonstrate active participation at the beginning of the term. Failure to complete initial coursework or demonstrate activity on Canvas may result in being dropped in accordance with college policy.

The following assignments require submission of written work (“P” indicates proof required):

| Required to submit proofs | Not required to submit proofs |
|---|---|
| <p>HW1 HW1P Quiz2 Quiz2P Midterm1 Midterm 1P FinalExam FinalExamP</p> <p>Assignments labeled with “P” require submission of written work. These assignments assess both the final answer and the problem-solving process.</p> <p><i>Tips: Showing complete and organized work is essential for both earning credit and developing a deeper understanding of the material.</i></p> | <p>HW1 Quiz2</p> <p>Assignments without “P” do not require submission of written work.</p> <p><i>This is a math course. Many problems require you to perform computations in multiple steps. Showing work is an essential step to enhance your learning. Likewise, if I skipped many steps in my lecture, this creates confusions and you will not learn from my lecture notes.</i></p> |

Midterm, 40% of the Course Grade (Two Midterms)

Midterm 1 is scheduled for Week 3 (Monday, July 13th).

Midterm 2 is scheduled for Week 6 (Monday, July 27th).

Each exam will be completed during the scheduled class time.

Final Exam, 30% of the Course Grade

Week 7: Thursday August 6th entire class period, in MLC113.

Every student is required to take a *comprehensive final exam that reflects every element in the student learning outcomes*. For each exam, your instructor will use **either** an in-person online exam **or** an in-person written exam.

Students are expected to take exams at the scheduled time. Please plan accordingly. Exams cannot be rescheduled except in documented and approved circumstances in accordance with college policy.

| In-person Online Exam Policies | In-person Written Exam Policies |
|--|--|
| (1) Bring one device only (either a laptop or a tablet) (2) Bring paper to show your work (3) I will either collect your work or ask you to submit your work to Canvas (4) Lockdown browser will be enforced. (5) Each multiple-choice sub-problem has 1 attempt. (6) Each free-response sub-problem has 3 attempts. Your score on WebAssign is final. Please proceed with caution, as no additional attempts will be granted for any reason. I will not review your work to award partial credit. | Exam will be typed and printed You will get a physical copy of the exam. Workspace will be provided in the exam. You write your work on the exam paper and turn in your work. Exams must be completed within the assigned time frame. Once submitted, no revisions or resubmissions will be accepted. Once the exam has been graded and returned, students are not allowed to submit corrections or revisions to earn additional points. |
| You are allowed to carry the following items to the exams: (1) For midterms, you are allowed to bring 3 sheets (6 pages total, front of back) of notes. The size of the paper is 8.5 inches by 11 inches. The notes can be typed or handwritten. (2) For the final exam, you are allowed to bring 6 sheets of notes. The other requirements are mentioned in (1). | |
| Sharing calculator, tablet, or laptop is strictly prohibited and considered as cheating. All the exams are individual work. Students who cheat, plagiarize or help someone else cheat will be given a zero on the exam, and this zero is irreplaceable, meaning that it will count toward your course grade. | |

Late Submission Policies

- Midterm cannot be rescheduled or extended.
- Final exam cannot be rescheduled or extended.
- Every student can extend the due date of **one homework**, either written homework or online homework.
- Every student can extend the due date of **one online quiz**. In-person written quizzes are time-sensitive, and they cannot be rescheduled.
- **To request an extension, submit an extension on WebAssign and wait for the instructor's approval. Please make the extension within 3 days after the due date. For example, if homework 1 is due on October 1st at 11:59pm, the deadline to request an extension is October 4th at 11:59pm.**
- Late submissions are generally not accepted. Extensions are limited and must be requested within the stated time frame. Failure to follow the extension request process will result in a zero for the assignment.
- **The last homework and the last quiz cannot be extended or rescheduled.**

Check Points:

- Homework & Discussion 10%, Quiz & Pop Quiz 20%, Midterm 40%, Final 30%; Late or missing work will receive zero credit unless prior approval or official accommodations are in place.
- For in-person online exams, you must show all your work on paper and submit your work to Canvas. The score does not count toward your course grade if your work is missing.
- Students are expected to regularly monitor Canvas and WebAssign for announcements, assignments, and deadlines.
- Comparing to homework, you will have at most 3 attempts on in-person online exams. Students are encouraged to solve problems carefully and verify their work before submission to develop accuracy and mathematical discipline. Additional attempts will not be granted for any reasons.

Tutoring at the Student Success Center (SSC)

The Student Success Center (SSC) provides free tutoring services to support student learning. Students are strongly encouraged to take advantage of these resources to strengthen their understanding and build confidence in mathematics.

Please visit the following website for details and schedules.

<https://www.deanza.edu/studentsuccess/>

Grading Rubrics

Your course grade will be assigned in the following standard:

| | | |
|----------------|----------------|----------------|
| A: 100% to 93% | A-: 92% to 90% | |
| B+: 89% to 86% | B: 85% to 83% | B-: 82% to 80% |
| C+: 79% to 75% | C: 74% to 70% | |
| D: 69% to 60% | F: below 60% | |

Borderline grades (points of 89.0-89.9, 79.0-79.9, or 69.0-69.9) may be considered for the next letter grade based on at least 70% overall average on the final exam. Transferring to UCs, CSUs, top-ranking universities, or scholarships are not a reason to ask for a higher grade.

All grade cutoffs are applied consistently and are not subject to negotiation. Transferring to UCs, CSUs, top-ranking universities, or scholarships are not a reason to ask for a higher grade.

Extra Credit Assignment

There are no extra credit assignments in this course to improve your grade. Please do not ask for any.

Academic Integrity

Academic integrity is expected of all students.

Any form of cheating on quizzes, exams, or assignments will result in a zero on the assessment and may be reported in accordance with college policy.

Cheating includes, but is not limited to:

- Using AI tools, online resources, or unauthorized assistance
- Communicating with others during an assessment
- Using phones, smart devices, or hidden technology
- Sharing or posting course materials on external platforms (e.g., Chegg, Discord, group chats)

Students are responsible for ensuring their work complies with academic integrity policies, regardless of the method or technology used. Violations will be treated seriously and may result in further academic or disciplinary consequences.

Classroom Environment & Expectations

Students are expected to be present, attentive, and engaged during class.

- Electronic devices may be used only for course-related purposes. Students who choose to use devices for unrelated activities may be asked to leave, as this course requires active participation.
- Side conversations are not permitted during instruction. If conversations continue, the instructor may pause the class until the discussion has ended.
- Students are expected to follow lectures, discussions, and group work actively.

Disruptive behavior that interferes with the learning environment will not be permitted. The instructor may ask a student to leave for the remainder of the class if necessary. Repeated disruptions may result in further action in accordance with college policy.

Academic Calendar:

June 29: First day of class

July 4: Independence Day Holiday

July 5: Last day to add or drop a class

July 7: Census Day

I do not have the date of “last day to withdraw with a W”, but this is usually in the 4th week.

To withdraw from this class, go to the student portal where you registered for this class, change the status from “registered” with “withdraw”. After you are done, please double-check your status.

Important Note: It is student’s responsibility to drop or withdraw the class if that student decides not to finish the class. After the last day to withdraw is passed, student cannot withdraw from the class.

Grades must be submitted by Wednesday, July 1st, by midnight

The instructor may make reasonable adjustments to the syllabus as needed to support student learning. Any changes will be communicated in a timely manner.

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:

2:45 PM - 4:00 PM

MLC113

M,T,W,TH