MATH 1B – 34 Calculus II

Online (Canvas) CRN: 48738

Instructor: Nahrin Rashid

Email: rashidnahrin@fhda.edu or Canvas Inbox

Tuesday & Thursday 11:00 AM – 1:15 PM Room MLC113

Office hours via Zoom: Tuesday 2:00 - 6:00 PM or by appointment

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How to reach out: If you have a question, the quickest and easiest way to contact me is via the Canvas inbox or email me rashidnahrin@fhda.edu. If you email me during my online office hours, I'll try to respond immediately. If you email me outside of my office hours, then I'll try to respond to you within 48 hours. From our course, click on "Inbox" in the left global navigation menu to access your Canvas conversations.

Tutoring Services: Do not wait to get extra help. Contact me or tutoring to get help!

On Campus in S-43 (MATH course tutoring only)

- Monday through Thursday 9am to 6pm
- Friday 9am-12:30pm
- Friday, Saturday and Sunday CLOSED

On Zoom Peer Tutoring

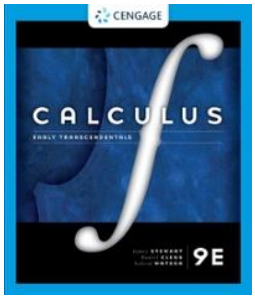
- Monday through Thursday 9am to 6pm
- Friday 9am-12:30pm
- Saturday and Sunday CLOSED

For drop-in tutoring outside these hours please use our online tutoring vendors (24/7 for most subjects)

Prerequisite: MATH 1A or MATH 1AH

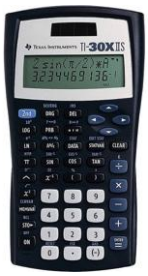
Course Description: This course examines the fundamentals of integral calculus.

Textbook: *Calculus Early Transcendentals;* 9th edition, by James Stewart, bundle with Webassign access code. The eBook with WebAssign can be purchased for $60 directly from Cengage.



Calculator: A basic scientific calculator is required for this class such as Texas Instruments TI30XIIS Scientific Calculator. TI-83 Plus/TI-84 Plus calculator recommended but not allowed on Exams. This can be a physical or an online app, such as the one at https://www.desmos.com/scientific.

Software: All homework/quizzes will be done online using WebAssign which is an internet-based software. You will need to register at www.webassign.net to use this internet-based software. You will need the class key given by me in order to self-register. **Class key for WebAssign: deanza 5413 6390**



Student Conduct: You are expected to be honest and ethical at all times in the pursuit of academic goals. When completing your work on an assignment or in taking a test, be sure to do your own work. Copying or using another person's work is plagiarism or cheating, so please be sure to submit your own work. Anyone caught cheating on an exam will receive an automatic 0 and be reported to the Dean of the PSME Division.

Discussion on Canvas: Even though this is an online class, you are expected to participate. Post and answer questions in Canvas weekly discussion boards. These discussions will count for 5% of your grade.

Homework: Plan to log in to WebAssign daily. Homework will be assigned weekly and will have a due date. All homework must be submitted by 10:00 AM on the due date. You must set up an account by Friday, April 11 or you will be dropped from the class**.** If you have a homework problem you are not able to complete, you can send me your questions on WebAssign by clicking on "Ask my teacher". At the end of the quarter your lowest homework score will be dropped. Homework will count for 15% of your term grade. Please do not procrastinate! You can request extension on five homework assignments during the quarter.

Quizzes: There will be a quiz every week via WebAssign assigned intermittently throughout the term to test your skills on the concepts we are covering in class and online. Once you start the quiz, you will have 1 hour to complete it. **NO** make-up quiz will be given. These quizzes will count for 20% of your grade.

Midterms: There will be four proctored exams during the quarter on WebAssign. Once you start the exam, you will have 2 hours to complete it. These exams will be completed during the class in computer Lab S44 and will contain materials covered in the lectures, online, and in the book. If you are unable to take an exam for any reason, a makeup exam will not be given. To compensate for this, I will drop your lowest exam score. These exams will count for 40% of your term grade

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Final Examination: If you do not take the final exam, you **WILL NOT** receive a passing grade. There will be a comprehensive final examination on **Tuesday, June 24 from 11:30 AM to 1:30 PM in computer Lab S44.** This test will count for 20% of your term grade.

Accessibility Accommodations: If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency evacuation, please inform me as soon as possible.

Important Dates

- The last day to add classes is April 20, 2025.
- The last day to drop for a full refund and without a “W” is April 20, 2025.
- Memorial Day Weekend - no classes, offices closed is May 24 - 26, 2025.
- Last day to drop classes with a “W” is May 30, 2025.
- Juneteenth Holiday - no classes, offices closed is June 19, 2025.
- Final Exam Week – June 23 – 27.

Grade Breakdown

A+: 99% and above	**B+: 87 - 89%**	**C+: 77 - 79%**	**D: 63 - 66%**
A: 93 - 98%	**B: 83 - 86%**	**C: 70 - 76%**	**D-: 60 - 62%**
A-: 90 - 92%	**B-: 80 - 82%**	**D+: 67 - 69%**	**F: < 60%**

Tentative Schedule for Math 1B, Spring 2025

Week 1	**Section 5.1, Section 5.2**
Week 2	**Section 5.3, Section 5.4, Section 5.5**
Week 3	**Section 6.1, Section 6.2** **Exam 1: Thursday April 24 (Section 5.1 – 5.5) in computer lab S44**
Week 4	**Section 6.3, Section 6.4*, Section 6.5***
Week 5	**Section 7.1, Section 7.2**
Week 6	**Section 7.3, Section 7.4** **Exam 2: Tuesday, May 13 (Section 6.1 – 6.5) in computer lab S44**
Week 7	**Section 7.5, Section 7.6, Section 7.7**
Week 8	**Section 7.8, Section 8.1** **Exam 3: Thursday, May 29 (Section 7.1 – 7.5) in computer lab S44**
Week 9	**Section 8.5*, Section 9.1**
Week 10	**Section 9.2, Section 9.3**
Week 11	**Section 10.2*** **Exam 4: Tuesday, June 17 (Section 7.6 - 7.8 & 8.1, 8.5) in computer lab S44**
Week 12	**Finals Week** **Final Exam: Tuesday, June 24 11:30 to 1:30 (Comprehensive) in computer lab S44**

This syllabus is subject to change at the instructor's discretion.

Section 6.4* Select one or more applications to Physics from this section.

Section 6.5* Select one or more applications to Mathematics from this section.

Section 8.5* Select one or more applications to other areas from this section.

Section 9.4* Natural growth is required, logistics growth is optional.

Section 10.2* Integration including area and arc length required, differentiation is covered in Math 1A

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	2:00 PM - 6:00 PM	Zoom