

Course Syllabus

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Course Description

Limits, continuity, derivatives, definite and indefinite integrals, applications.

Learning Outcomes

Upon completion of this course, students should be able to:





1. Evaluate the behaviors and graphs of functions
2. Identify and analyze the limits of a function
3. Find the derivatives of various function types
4. Examine the application of derivative calculation techniques
5. Use basic integration techniques

Course Requirements

- The **textbook** is *Single Variable Calculus Early Transcendentals*, 8th Edition by James Stewart or Indiana University Custom Edition
- **Gradescope**: We'll use it to submit the assignments and exams, and to grade them. Please check your section related to recitation section you enrolled. The Entry Code is **DK6652**.

Technical Support

For additional help with technical issues, consult:

- [University Information Technology Services \(UITS\)](#)  (human support)
- [IU Knowledge Base \(IUKB\)](#)  (documentation for IU applications and services)
- [Canvas Student Guide](#) 
- [IUware](#)  (download free software)

Course Assessment & Grades

Course Assessment:



- Exams:
 - In-class:
 - Friday, Sep 20
 - Friday, Oct 18
 - Friday, Nov 15
 - Final: Monday, December 16, 5:20-7:20 PM, room to be determined

!!! For scheduled conflicts with in-class exams or time modifications, please request accommodation in writing as soon as possible and at least 2 weeks in advance. Final is department-wide and cannot be rescheduled or made-up. Please note day and time.

- Group Quizzes:
 - We will have around 11 group quizzes in your recitations on Thursdays. The lowest quiz score(s) will be dropped, only 10 quizzes will count toward your final grade. Quizzes are not there to test you; they are there for you to practice solving questions with your peers and recitation instructor. Get help from your group, and from your instructor - think of these quizzes as easy discussion-based math solving points. Quizzes will be graded on correctness of your work, on your group participation, and on your recitation attendance.
- Homework
 - There will be two kinds of homeworks due every week. Homework assignments will be posted every Wednesday and will be due the following Wednesday. One will be online via **Edfinity** where you will have to just give the answer, and it will be automatically graded. The other will be **written homework** which you will find on **Gradescope** every week and for which all your written work will be graded. If there are more than 14 pairs of homeworks for the course, the lowest scores will be dropped.
 - Policy for turning in written homework: Homework should be legibly written (if your TA does not understand what you have written, they have the right to deduct points). You should then scan them and upload the pdf file on Gradescope (only pdf files accepted). There will be also an extended due date for **late submission**, but the half of your grade will be cut off. Written HWs will be graded on completion, critical thinking skills, communication skills and correctness of work.
- Attendance Policy
 - There is no required attendance policy. If you do miss a class, it is your responsibility to make up the missed learning - read through the relevant parts of the book or acquire class notes or use any of the help options listed below.
- Grade Distribution is as follows:

Homeworks	15%
Quizzes	10%
In-class Exams	45% = 15% + 15% + 15%
Final Exam	30%


Other Useful Info

- **General Education**
 - This course fulfils the Indiana University General Education requirements for both a Mathematical Modeling and a Natural and Mathematical Sciences course. Learning outcomes for those requirements are described at: <https://gened.indiana.edu/about/gened-learning-outcomes.html>
Links to an external site. 
- **Conflicts with Religious Observances**
 - Students missing class for a religious observance can find the officially approved accommodation form by going to the Vice Provost for Faculty and Academic Affairs webpage for religious accommodations: [link Links to an external site.](#) . The form must be submitted at least 2 weeks prior to the anticipated absence. [Wording from the office of the Vice President for Faculty & Academic Affairs]
- **Accessibility and Accommodation**
 - Indiana University is dedicated to ensuring that students with disabilities (e.g., chronic health, neurodevelopmental, neurological, sensory, psychological & emotional, including mental health, etc.) have the support services and reasonable accommodations needed to provide equal access to academic programs. To request an accommodation, you must establish your eligibility by working with ability Services for Students (812-855-7578). Additional information can be found

at accessibility.iu.edu [Links to an external site.](#) ↗. Note that services are confidential, may take time to put into place, and are not retroactive; captions and alternate media for print materials may take three or more weeks to get produced. Please contact your campus office as soon as possible if accommodations are needed.

- IU is also dedicated to supporting students who are pregnant or have experienced other conditions related to pregnancy (termination of pregnancy, miscarriage, lactation, or related medical conditions). To register for accommodations due to pregnancy or a related medical condition, please contact [Accessible Educational Services](#) ↗. To learn about the rights and resources available to students, such as academic accommodations, please visit pregnancy.iu.edu ↗ or email oi@iu.edu for more information. [Wording from the office of the Vice President for Faculty & Academic Affairs]
- **Academic Integrity**
 - As a student at IU, you are expected to adhere to the standards contained in the [Code of Student Rights, Responsibilities, and Conduct](#) [Links to an external site.](#) ↗ (the Code). Academic misconduct is defined as any activity that tends to undermine the academic integrity of the institution. Academic integrity violations include: cheating, fabrication, plagiarism, interference, violation of course rules, and facilitating academic dishonesty. When you submit an assignment with your name on it, you are signifying that the work contained therein is yours, unless otherwise cited or referenced. Any ideas or materials taken from another source for either written or oral use must be fully acknowledged. In addition, posting questions from quizzes/exams or assignments to or downloading answers from online sources is considered academic misconduct. All suspected violations of the Code will be reported to the Dean of Students (Office of Student Conduct) and handled according to University policies. Sanctions for academic misconduct in this course may include a failing grade on the assignment, a reduction in your final course grade, or a failing grade in the course, among other possibilities. If you are unsure about the expectations for completing an assignment or taking a test or exam, be sure to seek clarification from your instructor in advance. [Wording from the Undergraduate Academic Affairs Office]
- **Note Selling**
 - Various commercial services have approached students regarding selling class notes/study guides to their classmates. Selling the instructor's notes/study guides or uploading course assignments to these sites in exchange for access to materials for other courses is not permitted. Violations of this policy will be reported to the Dean of Students (Office of Student Conduct) as academic misconduct (violation of course rules). Sanctions for academic misconduct for this action may include a failing grade on the assignment for which the notes/study guides or assignments are being uploaded, a reduction in your final course grade, or a failing grade in the course, among other possibilities. Additionally, you should know that selling a faculty member's notes/study guides individually or on behalf of one of these services using IU email, or via Canvas may also constitute a violation of IU information technology and IU intellectual property policies; additional consequences may result. [Wording from the Undergraduate Academic Affairs Office]
- **Bias Incident Reporting**
 - Bias-based incident reports can be made by students, faculty and staff. Any act of discrimination or harassment based on race, ethnicity, religious affiliation, gender, gender identity, sexual orientation or disability can be reported through any of the options: 1) fill out an online report at <https://reportincident.iu.edu> [Links to an external site.](#) ↗; 2) call the Dean of Students Office at (812) 855-8187. Reports can be made anonymously at <https://reportincident.iu.edu> [Links to an external site.](#) ↗. [Wording from the office of the Vice President for Faculty & Academic Affairs]
- **Sexual Misconduct & Title IX**
 - As your instructor, one of my responsibilities is to create a positive learning environment for all students. IU policy prohibits sexual misconduct in any form, including sexual harassment, sexual assault, stalking, sexual exploitation, and dating and domestic violence. If you have experienced sexual misconduct, or know someone who has, the University can help. If you are seeking help and would like to speak to someone confidentially, you can make an appointment with the IU Sexual

Assault Crisis Services at (812) 855-5711, or contact a Confidential Victim Advocate at (812) 856-2469 or cva@indiana.edu.

- It is also important that you know that University policy requires me to share certain information brought to my attention about potential sexual misconduct, with the campus Deputy Sexual Misconduct & Title IX Coordinator or the University Sexual Misconduct & Title IX Coordinator. In that event, those individuals will work to ensure that appropriate measures are taken and resources are made available. Protecting student privacy is of utmost concern, and information will only be shared with those that need to know to ensure the University can respond and assist. I encourage you to visit <http://stopsexualviolence.iu.edu> Links to an external site.  to learn more. [Wording from the office of the Vice President for Faculty & Academic Affairs]