

MATH 1325 APPLIED CALCULUS I
Syllabus-Fall 2025

Class Information			
Section	Meeting Times	Location	Instructor
MATH 1325.001	TR 8:30am - 9:45am	GR 4.301	Neha Makhijani
MATH 1325.002	TR 2:30pm - 3:45pm	SCI 2.230	Cheyu Wu
MATH 1325.003	TR 2:30pm - 3:45pm	SCI 2.210	Derege Mussa
MATH 1325.004	TR 10:00am - 11:15am	GR 3.302	Joselle Kehoe
MATH 1325.005	TR 4:00pm - 5:15pm	SCI 2.215	Derege Mussa
MATH 1325.006	TR 1:00pm - 2:15pm	FO 2.702	Mohammad Akbar
MATH 1325.007	TR 11:30am - 12:45pm	GR 3.302	Raja Khoury
MATH 1325.008	TR 1:00pm - 2:15pm	ECSS 2.312	Jigar Patel
MATH 1325.009	TR 1:00pm - 2:15pm	SCI 2.225	Saikat Biswas
MATH 1325.010	TR 4:00pm - 5:15pm	SCI 2.230	Saikat Biswas
MATH 1325.011	TR 2:30pm - 3:45pm	SCI 3.250	Jigar Patel
MATH 1325.012	TR 4:00pm - 5:15pm	FO 2.702	Mohammad Akbar
MATH 1325.013	TR 11:30am - 12:45pm	ECSW 3.210	Neha Makhijani
MATH 1325.014	TR 11:30am - 12:45pm	SCI 2.235	Jigar Patel
MATH 1325.015	TR 1:00pm - 2:15pm	SCI 2.230	Joselle Kehoe
MATH 1325.016	TR 2:30pm - 3:45pm	SCI 3.230	Joselle Kehoe
MATH 1325.017	TR 4:00pm - 5:15pm	SCI 2.225	Ziad Ghanem
MATH 1325.018	TR 2:30pm - 3:45pm	FO 2.204	Raja Khoury
MATH 1325.501	TR 5:30pm - 6:45pm	GR 2.302	Saikat Biswas
MATH 1325.701	M 8:30pm - 10:30pm	TBA	

Students Learning Outcomes

1. Students will be able to formulate real-world problems into mathematical statements.
2. Students will interpret a narrative description of a situation and set up variables and relationships needed to determine a solution.
3. Students will be able to develop solutions to mathematical problems at the level appropriate to this course, i.e., apply the principles and techniques of differential and integral calculus.
4. Students will be able to describe or demonstrate mathematical solutions either numerically or graphically.

Instructor Information				
Instructor	Phone	Office	E-mail@utdallas.edu	Office Hours
Mohammad Akbar	972-883-6453	FO 2.602B	Akbar	MW 5:00pm - 6:00pm, & by appointment.
Saikat Biswas	972-883-6531	FO 2.104	Saikat.Biswas	MW 10:30am - 11:30am, & by appointment.
Ziad Ghanem	972-883-3507	FO 2.602(G)	Ziad.Ghanem	TR 3:00pm - 4:00pm,, & by appointment
Joselle Kehoe	972-883-6436	FO 2.108	Joselle.Kehoe	TR:11:30am-12:30pm, & by appointment
Raja Khoury	972-883-xxxx	BE 3.204D	Raja.Khoury	TR:12:50pm-1:50pm, & by appointment
Neha Makhijani	972-883-6419	FO 2.410(G)	Neha.Makhijani	TR:10:00am-11:00am, & by appointment
Derege Mussa	972-883-6562	FO 2.410(C)	Derege.Mussa	TR:1:00pm-2:00pm, & by appointment
Jigar Patel	972-883-3965	FO 2.410(E)	Jigarkumar.Patel	TR:10:00am-11:15am, & by appointment
Cheyu Wu	972-883-6688	FO 2.104	Cheyu.Wu	TR:1:00pm-2:00pm, & by appointment

General Course Information	
Pre-requisite	C- or better in MATH 1314 or an equivalent course.
Co-requisite	Students must be enrolled in the MATH 1325 exam section, which is section 701. Section 701 only meets on the exam weeks, not every week.
Course Description	Course topics include algebra review, functions and graphs, differentiation, maxima and minima, exponential and logarithmic functions, and integration.
Recommended Texts	<i>Calculus with Applications 11th Edition</i> , by Lial, Greenwell, and Ritchey.
Required Supplies	1. A non-programmable, non-graphic scientific calculator may be used on quizzes and exams. Calculators which can compute derivatives and/or integrals (such as some Casio brand calculators) are strictly prohibited.
eLearning	1. You must check the eLearning course page regularly. 2. Course assignments and the gradebook will be published through eLearning. https://elearning.utdallas.edu
UTD E-mail	Your official UTD E-mail address will be used to send you important course information. <i>You must check your official UTD E-mail address regularly and make sure your inbox is not full.</i>
Additional Resources	The Student Success Center offers a variety of services for Math 1325 students. They offer: Peer-Led Team Learning (PLTL) sessions (The seats are limited and they fill up fast.), Supplemental Instructions sessions, weekly reviews, exam reviews, and walk-in tutoring. Check their website for additional information. http://www.utdallas.edu/studentsuccess/help-with-courses/

Tentative Course Outline				
Week	Monday	Sections and Days Off	PHW Due (TUESDAY)	Quiz Due (THURSDAY)
1	8/25	R.1, R.2, R.3		
2	9/01	<i>Labor Day</i> , R.4, 2.1, 2.3	PHW1	Q1
3	9/08	R.6, R.7, 2.4, 2.5	PHW2	Q2
4	9/15	3.1, 3.2	PHW3	Q3
5	9/22	3.3, 3.4, <i>Review</i>	PHW4	Q4
6	9/29	4.1, 4.2, 4.3		
7	10/06	4.4, 4.5	PHW5	Q5
8	10/13	R.5, 5.1, 5.2	PHW6	Q6
9	10/20	5.2, 5.3	PHW7	Q7
10	10/27	6.1, <i>Review</i>	PHW8	Q8
11	11/03	6.2, 6.4		
12	11/10	6.5, 12.7	PHW9	Q9
13	11/17	7.1, 7.4	PHW10	Q10
14	11/24	Thanksgiving Break		
15	12/01	7.2, <i>Review</i>	PHW11	Q11
16	12/08	<i>Review</i>	PHW12	

Assessment Items and Other Details

1. Paper Homework Assignments (PHWs):

↪ A pdf file of weekly homework(PHW) will be posted each week on eLearning. You can print the pdf of PHW, and write your solutions in the space provided. If a printer is unavailable, write the solutions on separate sheets of paper. Be sure to write your name, and lecture section number. Scan PHW as a single PDF and upload it on eLearning every Tuesday on or before 11:59 pm.

Students are encouraged to upload their PHW at least a few hours in advance in order to eliminate last-minute technical glitches.

- ↪ PHW received after the deadline or through email attachment will get a zero.
- ↪ You must show all your work to earn full credit. Correct answers without sufficient supporting work will receive no or reduced credit.
- ↪ You may ask questions about PHW to your instructor.
- ↪ Only a subset of assigned problems will be graded. You will not be told in advance which ones.
- ↪ Your PHW average will be obtained by dropping your lowest PHW score and averaging the remaining scores.

2. Quizzes:

- ↪ There are quizzes given weekly except for exam weeks.

- ↔ The quizzes will be taken during the lecture every Thursday at the end of the class, except for the exam weeks.
- ↔ You will receive a zero for a missed quiz.
- ↔ Your quiz average will be obtained by dropping your lowest quiz score and averaging the remaining scores.

3. Mid-Term Exams:

- ↔ There will be two midterm examinations. See Important Dates for examination dates.

4. Final Exam:

- ↔ Comprehensive, but somewhat more emphasis will be placed on later material.

5. Participation:

- ↔ Regular class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

6. LATE/MISSED COURSEWORK:

- ↔ There is no make-up for late or missed assignments or exams unless extreme circumstances with proper documentation accepted by the instructor.
- ↔ In case of extreme circumstances, one is expected to report to the instructor **before** the deadline of the coursework and resolve the problem within **one** week after the deadline.

7. GRADING SCHEME

- * ↔ Quiz: 20% (The lowest quiz score will be dropped at the end of the semester.)
- ↔ Paper Homework Assignment: 20% (The lowest PHW will be dropped at the end of the semester.)
- ↔ The best midterm exam score: 20%
- ↔ The second best midterm exam score: 15%
- ↔ Final exam: 25%
- * All letter grades will be assigned in accordance with the table of numeric to alphabetic conversions given below.

[90; 93) A-, [93; 97) A, [97; 100+] A+
 [80; 83) B-, [83; 87) B, [87; 90) B+
 [70; 73) C-, [73; 77) C, [77; 80) C+
 [60; 63) D-, [63; 67) D, [67; 70) D+
 [0, 60) F.

Important Dates

- ↔ **Classes begin:** Monday, August 25, 2025.
- ↔ **Census Day:** Wednesday, September 10, 2025: Last Day to Drop a class without a “W” Full Term Session.
- ↔ **Labor Day:** Monday, September 01, 2025: No class.
- ↔ **Midterm Exam I:** Monday 8:30pm-10:00pm, September 29, 2025.
- ↔ **Midterm Exam II:** Monday 8:30pm-10:30pm, November 03, 2025.
- ↔ **Last Day of Classes:** Tuesday, December 09, 2025.
- ↔ **Final Exam:** TBA.

UT Dallas Syllabus Policies and Procedures:

The information at

<http://go.utdallas.edu/syllabus-policies>

constitutes university’s syllabus policies and procedures segment of this syllabus.

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:
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“As a Comet, I pledge honesty, integrity, and service in all that I do.”
