MATH 1325 APPLIED CALCULUS I
Syllabus-Spring 2025 (January 21, 2025)

Class Information			
Section	Meeting Times	Location	Instructor
MATH 1325.001	TR 10:00am - 11:15am	SCI 2.235	Diarisoa Mihaja Rakotomalala
MATH 1325.002	TR 4:00pm - 5:15pm	SCI 2.215	Jigar Patel
MATH 1325.003	TR 1:00pm - 2:15pm	SCI 3.250	Diarisoa Mihaja Rakotomalala
MATH 1325.004	TR 2:30pm - 3:45pm	FO 2.208	Jigar Patel
MATH 1325.005	TR 11:30am - 12:45pm	SCI 2.230	Neha Makhijani
MATH 1325.006	TR 4:00pm - 5:15pm	SCI 3.230	Ziad Ghanem
MATH 1325.007	TR 2:30pm - 3:45pm	SCI 2.230	Diarisoa Mihaja Rakotomalala
MATH 1325.501	TR 5:30pm - 6:45pm	SCI 2.210	Jigar Patel
MATH 1325.502	TR 5:30pm - 6:45pm	SCI 3.250	Mohammad Hassan Murad
MATH 1325.701	M 8:30pm - 10:30pm		Jigar Patel

Instructor Information				
Instructor	Phone	Office	E-mail@utdallas.edu	Office Hours
Ziad Ghanem	972-883-3507	FN 3.118	Ziad.Ghanem	Thu:3:00pm-4:00pm; & by appointment
Neha Makhijani	972-883-6419	FO 2.410(G)	Neha.Makhijani	TR:1:00pm-2:00pm, & by appointment
Mohammad Hassan Murad	972-883-3507	FO 1.210	MXM190101	T:10:00am-11:15am; & by appointment
Jigar Patel	972-883-3965	FO 2.410(E)	Jigarkumar.Patel	TR:1:00pm-2:25pm, & by appointment
Diarisoa Rakotomalala	972-883-6431	FA 2.106	Mihaja	TR:9:00am-9:45am, 5:30pm-6:15pm, & by appointment

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.

Tentative Course Outline				
Week	Monday	Sections and Days Off	PHW Due (TUE)	Quiz Due (THU)
1	1/20	R.1, R.2, R.3		
2	1/27	R.3, R.4, 2.1	PHW1	Q1
3	2/03	2.1, 2.3, R.6, R.7	PHW2	Q2
4	2/10	2.4, 2.5, 3.1	PHW3	Q3
5	2/17	3.2, 3.3 *Review*	PHW4	Q4
6	2/24	3.4, 4.1, 4.2		
7	3/03	4.3, 4.4	PHW5	Q5
8	3/10	4.5, R5	PHW6	Q6
9	3/17	Spring Break		
10	3/24	5.1, 5.2, 5.3	PHW7	Q7
11	3/31	5.3, *Review*	PHW8	Q8
12	4/07	6.1, 6.2		
13	4/14	6.4, 6.5	PHW9	Q9
14	4/21	12.7, 7.1	PHW10	Q10
15	4/28	7.4, 7.2	PHW11	Q11
16	5/05	7.2, *Review*	PHW12	Q12

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, limit, continuity, differentiation, maxima and minima, exponential and logarithmic functions, and integration.
Recommended Texts	*Calculus with Applications 11th Edition*, by Lial, Greenwell and Ritchey. ISBN: 978-0133864564.
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 are strictly prohibited.**
eLearning	1. You must check the eLearning course page regularly. 2. Course assignments and the gradebook will be posted through eLearning. **https://elearning.utdallas.edu**
UTD E-mail	Your official UTD E-mail address will be used to send you important course information. *You must check your official UTD E-mail address regularly and make sure your inbox is not full.*
Additional Resources	The Student Success Center offers a variety of services for Math 1325 students. They offer: Peer-Led Team Learning (**PLTL**) sessions (Students who need additional practice are encouraged to join PLTL sessions. The seats are limited and they are on a first come first serve basis.), Supplemental Instructions sessions (**SI**) sessions, weekly reviews, exam reviews, and walk-in tutoring (**Peer Tutoring-Math**). Check their website for additional information. **http://www.utdallas.edu/studentsuccess/help-with-courses/**

Course Policy, & Grading Scheme

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 to avoid last-minute technical glitches.

   ↪ PHW received after the deadline 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.

2. **Quizzes:**

   ↪ 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.

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 experiencing 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: 25% (The lowest quiz score will be dropped at the end of the semester.)
  ↪ Paper Homework Assignment: 15% (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.

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

Important Dates

↪ **MLK Day:** Monday, January 20, 2025: No class.
↪ **Classes begin:** Tuesday, January 21, 2025.
↪ **Census Day:** Wednesday, February 03, 2025: Last Day to Drop a class without a "W" Full Term Session.
↪ **Midterm Exam I:** Monday 8:30pm-10:00pm, February 24, 2025.
↪ **Spring Break:** Monday, March 17 - Sunday, March 23.
↪ **Midterm Exam II:** Monday 8:30pm-10:30pm, April 07, 2025.
↪ **Last Day of Classes:** Friday, May 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: **"As a Comet, I pledge honesty, integrity, and service in all that I do."**