

SYLLABUS

Instructor: Dr. Kejian Shi
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Office Hour: Wednesdays 10:00am-11:00am virtual office hour via zoom on canvas.

Prerequisites: Math 1A (with a grade of C or better), or equivalent
Textbook: *CALCULUS – Early Transcendentals* 9th Ed. by James Stewart
Materials: Graphing calculator recommended

Attendance: This class is an **online synchronize class**. The class meets on Tuesdays and Thursdays from 6:30pm to 8:45pm on the Canvas zoom. Questions will be answered during the classes, office hours, or through emails. **It is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the deadline will not be considered by the instructor.**

Homework: Homework is the key to success in this class. Plan to devote a minimum of **TWO hours** to homework for each class lesson.

Quizzes: **Three Quizzes** (33, 33, and 34 points) will be given during the class on the quiz days. No makeup quizzes. The lowest quiz score will be replaced by the average of the two highest quiz scores.

Midterms: **Two midterm examinations** (100 points each) will be given during the class on the midterm exam days. No makeup tests. The lowest midterm score will be replaced by the percentage of the final exam if the final percentage is higher.

Final Exam: **One comprehensive examination** will be given from **6:15pm–8:15pm on Thursday, March 28, 2024**. Any student missing the final will receive an F grade for the course.

Integrity: Any type of cheating is not tolerated. Corresponding school rules will be followed.

Grading:	<u>Distribution</u>	<u>Scale</u>		
		Grade Points Percentage		
Quizzes	100	A+	473-500	95%-100%
		A	448-472	90%-94%
		A-	438-447	88%-89%
		B+	423-437	85%-87%
		B	398-422	80%-84%
Midterms	200	B-	388-397	78%-79%
		C+	373-387	75%-77%
		C	323-372	65%-74%
		D+	298-322	60%-64%
		D	288-297	58%-59%
Final Exam	200	D-	273-287	55%-57%
		F	0-272	0%-54%
		Total	500	

Tentative Schedule:

Winter 2024								
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	8 INSTRUCTION BEGINS	9	10	11	12	13	14	1
		5.1		5.2, 5.3				
Jan	15	16	17	18	19	20	21	2
		5.4, 5.5		5.5 Quiz #1 8:00pm-8:45pm		<i>Last Day to Add</i>	<i>Last Day to Drop with refund/credit, with no record.</i>	
Jan	22	23	24	25	26	27	28	3
	M L K Holiday No Class	(Census Day) Solutions 3.11, 6.1		6.2, 6.3				
Jan / Feb	29	30	31	1	2	3	4	4
		6.4, 6.5		Review Exam #1 7:30pm-8:45pm	<i>Last day to request P/NP</i>			
Feb	5	6	7	8	9	10	11	5
		Solutions 7.1		7.2				
Feb	12	13	14	15	16	17	18	6
		7.3		7.4 Quiz #2 8:00pm-8:45pm	<i>Lincoln's B-Day Holiday No Class</i>	<i>President's Weekend</i>		
Feb	19	20	21	22	23	24	25	7
	<i>Washington's B-day Holiday No Class</i>	Solutions 7.4		7.4, 7.5, 7.6				
Feb / March	26	27	28	29	1	1	3	8
		7.7		Review Exam #2 7:30pm-8:45pm	<i>Last Day to drop with a W</i>			
March	4	5	6	7	8	9	10	9
		Solutions 7.8		8.1, 8.2				
March	11	12	13	14	15	16	17	10
		8.3, 8.5		9.1 Quiz #3 8:00pm-8:45pm				
March	18	19	20	21	22	23	24	11
		Solutions 9.2, 9.3		9.4				
March	25	26	27	28	29	30	31	12
				FINAL EXAM 6:15pm-8:15pm				

Homework Problems:

Sections	Problems
5.1	1, 4, 7, 13, 21, 25, 27
5.2	1, 4, 7, 10, 17, 20, 23, 28, 30, 33, 37, 40, 56, 57, 64, 70
5.3	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 59, 62
5.4	1, 4, 7, 10, 13, 16, 21, 24, 27, 30, 33, 36, 37, 39, 42, 45
5.5	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 46, 53, 56, 59, 62, 65, 68, 71
3.11	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43
6.1	1, 4, 7, 10, 13, 16, 19, 22, 25, 28
6.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 41, 48, 50, 60, 63, 66
6.3	1, 4, 7, 10, 13, 16, 19, 22, 25, 31, 37, 40, 47
6.4	1, 4, 7, 10, 13, 16, 19, 22, 24, 25, 28
6.5	1, 4, 7, 10, 13, 16, 19, 22, 25, 26
7.1	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 47, 50, 53, 61, 72
7.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 46, 49
7.3	1, 2, 4, 5, 7, 8, 10, 11, 13, 14, 16, 17, 19, 20, 22, 23, 25, 26, 28, 29, 31, 32
7.4	1, 2, 3, 4, 5, 6, 7, 10, 13, 16, 19, 24, 27, 30, 34, 37, 59, 60, 63
7.5	1, 6, 11, 16, 21, 26, 31, 36, 41, 46, 51, 56, 61, 66, 71, 76, 81
7.6	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31
7.7	1, 6, 10, 16, 21, 27
7.8	1, 2, 5, 8, 11, 14, 17, 20, 23, 26, 29, 32, 35, 38, 49, 51, 54, 59
8.1	1, 4, 7, 10, 13, 16, 19, 25, 33, 35, 39
8.2	1(a), 4(a), 7, 10, 13, 16, 27, 33, 35, 37
8.3	1, 4, 7, 10, 14, 22, 23, 25, 28, 30, 33, 35
8.5	1, 5, 6, 8
9.1	1, 4, 7, 10, 13
9.2	1, 4, 7, 10, 13, 21, 24
9.3	1, 4, 7, 10, 13, 16, 19, 22, 29, 32, 45, 46, 47
9.4	3, 5, 11, 13, 18

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:

W	10:00 AM	11:00 AM	Canvas,Zoom
TH	11:00 AM	12:00 PM	In-Person S-16A
T	10:00 AM	11:00 AM	Zoom,Canvas
M	10:00 AM	11:00 AM	Zoom,Canvas