

SYLLABUS

Instructor: Dr. Kejian Shi
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Office Hour: Mondays: 10:30am-11:30am (Room S16-A)

Prerequisites: Math 1A (with a grade of C or better), or equivalent
Textbook: *CALCULUS – Early Transcendentals* 8th Ed. by James Stewart
Materials: Graphing calculator recommended

Attendance: This class is an **in-person class**. Students are expected to attend all classes on time. Students who are absent more than **two times** may be dropped from the class. However, **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 from **8:00pm-9:40pm** on the quiz day. 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 from **8:00pm-9:15pm** on the midterm exam day. 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 **9:15am–11:15am** on **Tuesday, June 27, 2023**. (This is school scheduled final exam time. It cannot be changed by the instructor.) Any students 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:

	MON	TUE	WED	THUR	FRI	SAT	SUN	Wk
APL	10 5.1	11 5.1	12 5.2	13 5.2	14 5.3	15	16	1
APL	17 5.3, 5.4	18 5.4	19 5.5	20 5.5	21 Quiz #1 8:00pm-8:40pm	22 Last day to add	23 Last day to drop with no record	2
APL	24 Solutions 3.11	25 6.1	26 6.2	27 6.2, 6.3	28 6.3	29	30	3
MAY	1 6.4	2 6.5	3 7.1	4 Review	5 Exam #1 8:00pm-9:15pm	6	7	4
MAY	8 Solutions	9 7.1	10 7.1	11 7.2	12 7.2	13	14	5
MAY	15 7.3	16 7.3	17 7.4	18 7.4	19 Quiz #2 8:00pm-8:40pm	20	21	6
MAY	22 Solutions 7.4	23 7.4	24 7.5, 7.6	25 7.7	26 7.7	27	28	7
MAY / JUN	29 Memorial Day Holiday	30 7.8	31 7.8	1 Review	(Drop with "W") 2 Exam #2 8:00pm-9:15pm	3	4	8
JUN	5 Solutions	6 8.1	7 8.2	8 8.3	9 8.3	10	11	9
JUN	12 8.5	13 9.1	14 9.2	15 9.3	16 Quiz #3 8:00pm-8:40pm	17	18	10
JUN	19 Juneteenth Day Holiday	20 9.3	21 9.4	22 Review	23 Review	24	25	11
JUN / JUL	26	27 Final Exam 9:15am-11:15am	28	29	30	1	2	12
JUL	3 SUMMER BEGINS	4	5	6	7	8	9	1

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:

M	10:30 AM	11:30 AM	In-Person	S16-A
T	01:30 PM	02:30 PM	Canvas	
W	01:30 PM	02:30 PM	Canvas	