

SYLLABUS

Instructor: Dr. Kejian Shi
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Office Hour: Tuesday, 9:30am-10:30am, S-16A

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

Attendance: This class is an **in-person** and **online** combination class. Students are expected to be in class Monday through Thursday. On Friday, students are expected to watch and study the lecture videos, which I have posted on the Canvas. The videos can be watched multiple times. Questions will be answered in the classroom, or during office hours, or through emails. **(It is the students' responsibility to drop the class 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) are **proctored quizzes** and will be given in the classroom on quiz days. Quiz problems are like homework problems and lecture examples. 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) are **proctored exams** and will be given in the classroom on the midterm exam days. No makeup exams. 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** is a **proctored exam** and will be given in the classroom from **7:00am-9:00am** on **Wednesday, December 13, 2023**. Any student missing the final will receive an F grade for the course.

Integrity: Any types of cheating are not tolerated. Corresponding school rules will be followed.

Grading:	Distribution		Scale		
			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%
Midterms	200		B	398-422	80%-84%
			B-	388-397	78%-79%
			C+	373-387	75%-77%
			C	323-372	65%-74%
Final Exam	200		D+	298-322	60%-64%
			D	288-297	58%-59%
			D-	273-287	55%-57%
			Total	500	

Math 1D-01Y Tentative Schedule (Fall 2023):

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
SEP / OCT	25 INSTRUCTION BEGINS 14.1	26 14.2	27 14.3	28 14.3	29 14.4	30	1	1
OCT	2 14.4	3 14.5	4 14.6	5 Review Quiz #1	6 14.6	7 Last Day to Add	8 Last Day to Drop with no Record	2
OCT	9 Census Day 14.7	10 14.7	11 14.8	12 15.1	13 15.2	14	15	3
OCT	16 15.2	17 15.3	18 Review	19 Exam #1	20 15.4	21	22	4
OCT	23 Solutions	24 15.4	25 15.5	26 15.6	27 15.6	28	29	5
OCT / NOV	30 15.7	31 15.8	1 15.9	2 Review Quiz #2	3 15.9	4	5	6
NOV	6 16.1	7 16.2	8 16.2	9 16.3	10 VETERAN'S DAY NO CLASSES	11	12	7
NOV	13 16.3	14 16.4	15 Review	15 Exam #2	17 Last Day to Drop / W 16.4	18	19	8
NOV	20 Solutions	21 16.5	22 16.5	23 THANKSGIVING NO CLASSES	24 THANKSGIVING NO CLASSES	25	26	9
NOV / DEC	27 16.6	28 16.6	29 16.7	30 Review Quiz #3	1 16.7	2	3	10
DEC	4 16.8	5 16.8	6 16.9	7 16.9	8 Review	9	10	11
DEC	11	12	13 Final Exam 7:00am-9:00am	14	15	16	17	12
12 weeks, 53 days of instruction								

Homework problems:

Sections	Problems
14.1	1, 4, 7, 10, 18, 21, 25, 31, 45, 48, 68
14.2	5, 8, 11, 14, 17, 20, 26, 29, 32, 35, 38, 41
14.3	1, 4, 7, 10, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45
14.3	48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78, 81, 84, 87
14.4	1, 4, 7, 11, 14, 17, 21, 24, 27, 30, 33, 36, 39, 42, 45
14.5	1, 4, 7, 10, 13, 16, 19, 22, 25, 28
14.5	31, 34, 37, 40, 43, 46, 49, 52, 55, 58
14.6	4, 7, 10, 13, 16, 19, 22, 25, 28, 41, 44, 51, 55
14.7	1, 4, 7, 10, 13, 16, 19, 22, 31, 34, 37, 43, 47, 50, 59
14.8	1, 4, 7, 10, 13, 16, 19, 22, 25, 30
15.1	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 47, 50
15.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31
15.2	35, 37, 40, 45, 48, 51, 54, 57, 60, 62, 65, 68
15.3	1, 4, 6, 7, 10, 13, 16, 19, 22, 25, 29, 32, 34, 37, 40
15.4	1, 4, 7, 10, 13, 16, 19, 22, 28
15.5	1, 4, 7, 10, 13, 21, 24
15.6	2, 4, 7, 10, 13, 16, 19, 22, 25, 28
15.6	31, 34, 35, 37, 40, 43, 46, 48, 51, 54
15.7	1, 4, 6, 8, 9, 11, 15, 18, 21, 24, 27, 30
15.8	1, 4, 6, 8, 10, 13, 16, 18, 20, 23, 26, 29, 32, 35, 42, 48
15.9	1, 4, 7, 10, 11, 14, 16, 19, 22, 25, 27
16.1	1, 4, 7, 10, 13, 16, 21, 24, 25, 31, 34
16.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 33, 36, 39, 42, 45, 48
16.3	1, 4, 7, 10, 13, 16, 19, 22, 24, 26, 29, 32, 35
16.4	1, 4, 7, 10, 11, 14, 17, 21, 24, 27
16.5	1, 4, 7, 10, 12, 15, 18, 21, 24, 27, 30, 33, 34
16.6	1, 4, 13, 16, 19, 22, 25, 33, 36, 39, 42, 45, 48, 51, 61, 62
16.7	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 37, 40, 43, 46, 49
16.8	1, 4, 7, 10, 13, 16, 19, 20
16.9	1, 4, 7, 10, 13, 17, 19, 24, 26, 29

Student Learning Outcome(s):

- Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
- Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
- Synthesize the key concepts of differential, integral and multivariate calculus.

Office Hours:

T	09:30 AM	10:30 AM	In-Person	S-16A
W	09:30 AM	10:30 AM	In-Person	S16-A
F	11:30 AM	12:30 PM	Canvas Online	
TH	09:30 AM	10:30 AM	In-Person	S-16A
F	10:30 AM	11:30 AM	Canvas Online	