SYLLABUS

Instructor:	Dr. Kejian Shi
e-mail:	shikejian@fhda.edu
Office:	S-16A
Office Hour:	Monday: 10:30 --11:30 a.m. or by appointment

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

Homework: **Six homework sets** will be collected, each on **the test (Quiz and Exam) days** (10 points for each set). No late hws will be accepted. One lowest hw score will be replaced by 10. Hw is the key to success in this class. Plan to devote a minimum of **TWO hours** to hw for each class hour.

Quizzes: **Three Quizzes** (33, 33, and 34 points) will be given **in classroom**. No makeup quizzes. One lowest quiz score will be replaced by the average of the two highest quiz scores. Quiz problems are similar to homework problems and lecture examples.

Midterms: **Two** one-class-hour midterm examinations (100 points each) will be given **in classroom**. No makeup midterms. One lowest midterm score will be replaced by the percentage of your final exam score, if the percentage is higher.

Final Exam: **One two-hour comprehensive examination** will be given **in classroom** on **Wednesday, 12/11/2024**, from **7:00am–9:00am.** Anyone 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:

Distribution			Scale		
			Grade	Points	Percentage
Attendance	40		A+	567-600	95%-100%
			A	537-566	90%-94%
Homework	60		A-	525-536	88%-89%
			B+	507-524	85%-87%
			B	477-506	80%-84%
Quizzes	100		B-	465-476	78%-79%
			C+	447-464	75%-77%
			C	387-446	65%-74%
Midterms	200		D+	357-386	60%-64%
			D	345-356	58%-59%
			D-	327-344	55%-57%
Final Exam	200		F	0-326	0%-54%
Total	600				

Tentative Schedule:

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
SEP	23 INSTRUCTION BEGINS 10.1	24 10.2	25 10.2	26 10.3	27 10.3	28	29	1
SEP / OCT	30 10.4	1 11.1	2 11.1	3 Review Quiz #1	4 11.2	5	6 Last Day to Add / Drop (without a W)	2
OCT	7 11.2	8 11.3	9 11.3, 11.4	10 11.4	11 11.5	12	13	3
OCT	14 11.5, 11.6	15 11.6	16 Review	17 Exam #1	18 11.7	19	20	4
OCT	21 Solutions	22 11.8	23 11.8	24 11.9	25 11.9	26	27	5
OCT / NOV	28 11.9	29 11.10	30 11.10	31 Review Quiz #2	1 11.11	2	3	6
NOV	4 17.4 of 8th Ed. (optional)	5 17.4 of 8th Ed. (optional)	6 12.1	7 12.2	8 12.2, 12.3	9	10	7
NOV	11 VETERAN'S DAY NO CLASSES	12 12.3	13 Review	14 Exam #2	15 Last Day to Drop with a W 12.4	16	17	8
NOV	18 Solutions	19 12.4	20 12.5	21 12.5	22 12.6	23	24	9
NOV / DEC	25 13.1	26 13.2	27 Review Quiz #3	28 THANKSGIVING NO CLASSES	29 THANKSGIVING NO CLASSES	30	1	10
DEC	2 13.3	3 13.3	4 13.4	5 13.4	6 Review	7	8	11
DEC	9	10	11 Final Exam 7:00am-9:00am	12	13	14	15	12

12 weeks, 53 days of instruction

Homework Problems:

Sections	Problems
	HW #1
10.1	1, 4, 7, 10, 13, 16, 20, 27, 37, 40
10.2	1, 4, 7, 10, 15, 18, 21, 33, 34, 37, 47, 50, 55, 72
10.3	1, 4, 5, 8, 11, 14, 16, 17, 25, 34, 44
10.4	1, 4, 7, 10, 17, 21, 24, 27, 30, 37, 40, 45, 52, 63
11.1	3, 11, 16, 19, 22, 27, 34, 41, 43, 48, 53, 58, 62, 86, 87
	HW #2
11.2	8, 10, 18, 20, 29, 32, 35, 40, 43, 47, 54, 61, 64, 69, 70
11.3	1, 4, 7, 10, 13, 16, 19, 20, 23, 28, 29, 32
11.4	7, 12, 13, 20, 23, 28, 31, 36, 39, 45, 48, 49
11.5	4, 7, 10, 15, 20, 23, 26, 31, 34, 37, 42, 47
11.6	1, 4, 9, 14, 17, 22, 25, 30, 31, 39
	HW #3
11.7	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 46
11.8	4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40
11.9	1, 4, 7, 10, 13, 18, 21, 28, 32, 45, 46, 49
11.10	1, 4, 7, 12, 17, 28, 37, 44, 49, 60, 63, 70, 73, 76, 79, 84
	HW #4
11.11	1, 5, 10, 13, 18, 27,
12.1	1, 4, 7, 10, 13, 16, 21, 23, 26, 31, 36, 41
12.2	3, 6, 11, 18, 21, 24, 27, 30, 35, 44
12.3	1, 4, 7, 10, 13, 16, 19, 22, 24, 29, 34, 39, 42, 53, 61, 62
	HW #5
12.4	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 45
12.5	4, 7, 10, 13, 16, 19, 24, 29, 34, 45, 52, 56, 57, 60, 71, 74, 75, 76
12.6	4, 7, 13, 18, 23, 28, 37, 40, 45, 46,
13.1	1, 4, 7, 10, 13, 16, 19, 22, 39, 51
13.2	1, 4, 7, 10, 13, 18, 21, 24, 27, 38, 41, 44, 55, 59
	HW #6
13.3	1, 4, 7, 16, 19, 22, 25, 28, 31, 34, 47, 51, 54, 57
13.4	3, 6, 9, 12, 15, 20, 25, 30, 37, 42

Student Learning Outcome(s):

• Analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.

• Apply infinite sequences and series in approximating functions.

• Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

Office Hours:

Day	Start	End	Mode	Location
M	10:30 AM	11:30 AM	In-Person	S-16A
W	10:30 AM	11:30 AM	In-Person	S-16A
M	01:30 PM	02:30 PM	Canvas	
M	01:30 PM	02:30 PM	Canvas	
T	11:30 AM	12:30 PM	Canvas	
W	01:30 PM	02:30 PM	Canvas	
M	10:30 AM	11:30 AM	In-Person	S16-A