

SYLLABUS

Instructor: Dr. Kejian Shi
e-mail: shikejian@fhda.edu
Office Hour: Mondays: 9:30am-10:30am (Room S16-A) or by appointment

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 a combination of **in-person** and **online**. Students are expected to be in class Monday through Thursday. Attendance will be taken daily. A total of 40 points will be given to attendance credit. 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 comprehensive examination** will be given **in classroom** from **7:00am to 9:00am** on **Wednesday, 12/9/2026**. Any students missing the final will receive an F grade for the course.

Integrity: Every student should do all the tests independently. 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%
Quizzes	100		B	477-506	80%-84%
			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				

Math 1B-01Y Tentative Schedule (Fall 2026):

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
SEP	21 INSTRUCTION BEGINS 5.1	22 5.1	23 5.2	24 5.2	25 5.3	26	27	1
SEP / OCT	28 5.3, 5.4	29 5.4	30 5.5	1 Review Quiz #1	2 5.5	3	4 Last Day to Add, and to Drop with no Record	2
OCT	5 Census Day Solutions 3.11	6 6.1	7 6.2	8 6.2, 6.3	9 6.3	10	11	3
OCT	12 6.4	13 6.5	14 Review	15 Exam #1	16 7.1	17	18	4
OCT	19 Solutions	20 7.1	21 7.1	22 7.2	23 7.2	24	25	5
OCT / NOV	26 7.3	27 7.3	28 7.4	29 Review Quiz #2	30 7.4	31	1	6
NOV	2 7.4	3 7.4	4 7.5, 7.6	5 7.7	6 7.7	7	8	7
NOV	9 7.8	10 Review	11 VETERAN'S DAY NO CLASSES	12 Review Exam #2	13 Last Day to Drop a W	14	15	8
NOV	16 Solutions	17 8.1	18 8.2	19 8.3	20 8.3	21	22	9
NOV	23 8.5	24 9.1	25 Quiz #3	26 THANKSGIVING NO CLASSES	27 THANKSGIVING NO CLASSES	28	29	10
NOV / DEC	30 9.2	1 9.3	2 9.3	3 9.4	4 Review	5	6	11
DEC	7	8	9 Final Exam 7:00am-9:00am	10	11	12	13	12
	12 weeks, 53 days of instruction							

Homework Problems:

Sections	Problems
	HW #1
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
	HW #2
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
	HW#3
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
	HW #4
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
	HW#5
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
	HW #6
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:

S16-A	M,T,W	9:30 AM - 10:30 AM
Zoom,Canvas	TH	2:15 PM - 3:15 PM