

Math 31-19

MW (1:30 pm --3:45 pm)

Room: E31

Fall, 2026

SYLLABUS

Instructor: Dr. Kejian Shi
Office: S-16A
email: shikejian@fhda.edu
Office Hour: Wednesdays: 9:30am-10:30am or by appointment

Prerequisites: Math 114 (with a grade of C or better), or equivalent
Textbook: *Precalculus with Limits*, 5th Ed., by Larson
Materials: Graphing calculator recommended

Attendance: This is an **in-person** class. Students are expected to be in class every Monday and Wednesday. Attendance will be taken daily. A total of 40 points will be given to attendance credit. 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 **1:45pm to 3:45pm** on **Monday, 12/7/2026**. 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				

Tentative schedule:

[illegible]

Homework Problems:

Sections	Problems
	HW #1
1.2	1, 5, 9, ..., 81 (every other odd).
1.3	1, 5, 9, ..., 85 (every other odd).
1.4	1, 4, 7, ..., 61, and 77, 80, 83.
1.5	1, 4, 7, ..., 61 (every third).
1.6	1, 4, 7, ..., 40 (every third).
	HW #2
1.7	1, 4, 7, ..., 58 (every third).
1.8	5, 10, 18, 23, 34, 36, 40, 43, 44, 45, 46, 49, 54.
1.9	1, 4, 7, ..., 40, and 45, 48, 51, 54, 68.
1.10	19, 22, 25, 28, 31, 34, 37, 40, 47, 50, 67, 73.
	HW #3
2.1	7, 12, 16, 21, 29, 34, 47, 52, 57, 77, 78, 79, 82, 84.
2.2	9, 10, 11, 12, 13, 14, 15, 17, 19, 25, 30, 35, 40, 45, 50, 57, 62, 67, 72, 78, 83.
2.3	11, 14, 17, ..., 61(every third), and 66, 69, 72, 84.
2.4	1, 4, 7, ..., 91 (every third).
2.5	9, 14, 18, 22, 25, 28, 31, 35, 48, 53, 57, 60, 67, 73, 77, 89, 94, 97.
2.6	7, 12, 15, 20 23, 28,30, 33, 36, 39, 41, 44, 49, 54, 59, 62.
2.7	5, 8, 11, 14, 17, 22, 27, 32, 37, 42, 45, 49, 52, 62, 65.
	HW #4
3.1	7, 12, 14, 16, 27, 30, 37, 51, 54, 68, 70.
3.2	7, 14, 17, 20, 23, 28, 32, 35, 40, 45, 46, 51, 56, 59, 63, 68, 71, 75.
3.3	1, 4, 7, ..., 82 (every third), and 83, 84.
3.4	1, 2, and 3, 6, 9, ..., 60 (every third) and 73, 75, 76, 79, 80.
3.5	7, 8, 9, 10, 11, 12, 21, 22, 23, 24 25, 26, 27, 28, 31, 33, 37, 38, 43, 45, 47.
	HW #5
7.1	1, 4, 7, ..., 50 (every third) and 55, 60
7.2	1, 4, 7, ..., 50 (every third) and 54
7.5	1, 4, 7, ..., 58 (every third)
	HW#6
10.2	1, 2, 3, 4, 5, 6 7, 8, and 10, 13, 16, ..., 40(every third), and 47, 50, 53, 56.
10.3	1, 2, 3, 4, and 5, 8, 11, ..., 47(every third).
10.4	1, 2, 3, 4, and 5, 8, 11, ..., 47(every third) and 53, 56, 59, 62, 65, 68.

Student Learning Outcome(s):

- Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Office Hours:

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