COURSE: Math 31-53Z Precalculus
DAY: TuTh 6:30 – 8:45 p
EMAIL: isonmillia@fhda.edu
QUARTER: Spring 2024
INSTRUCTOR: Millia Ison
OFFICE NUMBER: S76e

ZOOM LINK: https://fhda-edu.zoom.us/j/88080184742
ZOOM OFFICE HOUR: MW 10:00 -11:40 am. Link: https://fhda-edu.zoom.us/j/95244405559

TEXT: Precalculus with Limits by Ron Larson, 5th edition.
EQUIPMENT: Graphing calculator or scientific calculator. Computer with internet access.

GRADING:

Homework ----160 points	A: ≥93% , 465 - 500 pts	C+: 76% - 79 % , 380 - 399 pts
Quizzes ----------80 points	A– : 90% - 92 % , 450 - 464 pts	C: 70 % - 75 %, 350 - 379 pts
3 midterms --- 150 points	B+: 87% - 89 % , 435 - 449 pts	D: 60 % - 69 %, 300 - 349 pts
Final exam ---- 110 points	B: 83% - 86 % , 415 - 434 pts	F: 0 % - 59 %, 0 - 299 pts
Total ---------- 500 points	B –: 80% - 82 % , 400 - 414 pts	

HOMEWORK POINTS: You need to do your homework on a regular basis. However, all homework is due on June 25, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign are 1197(subject to change). Out of which, 1160 points are required (subject to change). If you have 1160, you earn 160 points (full credit) toward your grade. If you have total of 1190, then $1190/1160 \approx 1.026$, that is 102.6%, $102.6\% \times 160 \approx 164$, which is 4 points extra credit. The total amount of the extra credit will be decided after the final exam.

QUIZ POINTS: 5 points each. 8:15 – 8:45 pm each meeting. **NO EXTENSION**. Absent will be counted as 0. There are 19 quizzes this quarter. 3 lowest scores will be dropped.

EXAM POINTS: 50 points each. Dates listed on the calendar next page. **No make-up midterm exams.** 0 point for missed exam. For unusual circumstances, you must contact me before or on the exam day. The percentage of your final exam score multiply by 50 will replace the exam score.

FINAL EXAM: 110 points. Thursday, June 27, 6:15p – 8:15p. Doing Final Exam Review is optional. Fail to take the final exam, you will receive "F" for your grade.

Exams are to test your understanding of the homework assignments. **Cheating of any form on midterm exams or the final exam will be grounds for disciplinary action.**

IMPORTANT DATES: Sunday, April 21 --- Last day to drop without grade on your record.
Friday, May. 31 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **May** 31**.** After that day, you will receive a grade.

Text: Larson 5th edition **MATH 31-35Z Spring 2024 Calendar** **Online**

Chapter	SEC	Topics		Monday	Tuesday	Wednesday	Thursday	Friday
Chapter 1 Functions and Their Graphs	1.1	Rectangular Coordinates	**April**	8	9	10	11	12
	1.2	Graphs of Equations			1.1, 1.2		1.3, 1.4	
	1.3	Linear Equations of Two Variables	Wk1		Quiz 1.1		Quiz 1.3,4	
	1.4	Functions	**April**	15	16	17	18	19
	1.5	Analyzing Graphs of Functions			1.5, 1.6		1.7,1.8	
	1.6	A library of Parent Functions	Wk2		Quiz 1.5		Quiz 1.7	
	1.7	Transformation of Functions	**April**	22	23	24	25	26
	1.8	Combinations of Functions			Review		1.9, 1.10	
	1.9	Inverse Functions	**Wk3**		Exam 1		Quiz 1.9	
	1.10	Mathematical Modeling and Variations	**April**	29	30	1	2	3
Chapter 2 Polynomial and Rational Functions	2.1	Quadratic Functions and Models	**May**		2.1, 2.2		2.2, 2.3	
	2.2	Polynomial Functions of Higher Degree	Wk4		Quiz 2.1		Quiz 2.2	
	2.3	Polynomial and Synthetic Division	**May**	6	7	8	9	10
	2.4	Complex Numbers			2.4, 2.5		2.6	
	2.5	Zeros of Polynomial Functions	Wk5		Quiz 2.5		Quiz 2.6	
	2.6	Rational Functions	**May**	13	14	15	16	17
	2.7	Nonlinear Inequalities			Review		2.7	
Chapter 3 Exponential and Logarithmic Functions	3.1	Exponential Functions and Their Graphs	Wk6		Exam 2		Quiz 2.7	
	3.2	Logarithmic Functions and Their Graphs	**May**	20	21	22	23	24
	3.3	Property of Logarithms			3.1, 3.2		3.2, 3.3	
	3.4	Exponential and Logarithmic Equations	Wk7		Quiz 3.1		Quiz 3.2	
	3.5	Exponential and Logarithmic Models	**May**	27	28	29	30	31
Chapter 7 Systems of Equ & Ineq	7.2	Two-Variable Linear Systems		Memorial Day	3.3, 3.4		3.4, 3.5	
	7.3	Multivariable Linear Systems	Wk8	Holiday	Quiz 3.3		Quiz 3.4	last day to drop w/W
	7.5	Systems of Inequalities	**June**	3	4	5	6	7
Chapter 10 Analytic Geometry	10.2	Introductions to Conics: Parabolas			7.2, 7.3		7.5	
	10.3	Ellipses	Wk9		Quiz 7.3		Quiz 7.5	
	10.4	Hyperbolas	**June**	10	11	12	13	14
					Review		10.2,10.3	
			Wk10		Exam 3		Quiz 10.2	
			June	17	18	19	20	21
					10.3, 10.4	Juneteenth	10.4	
			Wk11		Quiz 10.3	Holiday	Quiz 10.4	
			June	24	25	26	27	28
					HW Due		**Final**	
			Wk12		**11:59pm**		**6:15 – 8:15 p**	

All homework assignments and due dates are listed on WebAssign.
These are the least number of exercises you need to do. If you don't master the material well after doing WebAssign, work with more of the similar problems in the text.

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:

M,W	10:00 AM	11:40 AM	Zoom