COURSE: Math 1A-23 Calculus   **QUARTER:** Fall 2025
DAY: TuTh 1:30p – 3:45p   **Room:** S45/S44
INSTRUCTOR: Millia Ison   **EMAIL:**   isonmillia@fhda.
OFFICE PHONE: 864-5659
OFFICE HOUR: MW 6:20-7:00p. In person, **OFFICE NUMBER**:   S76e
            TuTh: 11:30a-12:30p. Online, **ZOOM** Link: https://fhda-edu.zoom.us/j/95244405559

COURSE PREREQUISITES: Appropriate score on the Calculus Placement Test (within the last year) or
                Math 32 with a grade "C" or better.
TEXT: Calculus: Early Transcendentals, by James Stewart, 9th edition.
ENROLL WEB ASSIGN: Log into your Canvas account, In Module, Click WebAssign Sign in to continue the
process(Canvas Homepage purchase link will do the same). Your Cengage course materials will open in a new
tab or window, so be sure pop-ups are enabled. Homework, quizzes and exams are on Web Assign.

EQUIPMENT: A graphic calculator or computer with graph capability is required.

GRADING:

Homework ----160 points	A: 93% -100%, 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 bases. However all homework is due
on <mark>Tue. December 9</mark>, 11:59 pm. Total points on WebAssign is 1470 (subject to change). Out which, 1400 points
is required (subject to change). If you have 1400, you earn 160 points (full credit) toward your grade. If you
have total of 1460, then $1460/1420 \approx 1.03$, that is 103%, $1.03 \times 160 \approx 165$, you have 165 points for homework,
which is 5 points extra. The total amount of the extra credit will be decided after the final exam.

QUIZ POINTS: 5 points each. 2:45 – 3:15 pm each meeting. You must take quiz in person. Absent will be
counted as 0. **NO EXTENSION.** There are 18 quizzes this quarter. 2 lowest scores will be dropped.

EXAM POINTS: 50 points each. Dates are also listed on the calendar next page. **No make-up midterm
exams.** 0 point for missed exam. No exam score will be dropped. For unusual circumstances, students must
contact me on or before the exam time. The *percentage* of your final exam score multiplied by 50 will replace
the exam score. For the 2nd and 3rd missed midterm due to unusual situation, students must contact me to
schedule a special written or oral exam.

FINAL EXAM: 110 points. <mark>Tuesday, Dec. 9, 1:45pm – 3:45 pm</mark>. Doing Final Exam Review is optional. If
you 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, October 5 --- Last day to drop without grade on your record.
                Friday, November 14 --- Last day to drop with a "W".

The student is responsible to withdraw from the class. The last day for you to withdraw is Novenber 14. After
that day, you will receive a grade.

Text: Stewart 9th edition   **Math 1A-23 Fall 2025 Calendar**   **Room: S45**

Chapter	SEC	PROBLEMS
2 Limits and Derivative	2.1	The Tangent and Velocity Problems
	2.2	The Limit of a Function
	2.3	Calculating Limits Using the Limit Laws
	2.4	The Precise Definition of a Limit
	2.5	Continuity
	2.6	Limits at Infinity: Horizontal Asymptotes
	2.7	Derivatives and Rates of Change
	2.8	The Derivative as a Function
3 Differentiation Rule	3.1	Derivatives of Polynomials and Exponential Functions
	3.2	The Product and Quotient Rules
	3.3	Derivatives of Trigonometric Functions
	3.4	The Chain Rule
	3.5	Implicit Differentiation
	3.6	Derivatives of Logarithmic Functions
	3.7	Rates of Change in the Natural and Social Sciences
	3.8	Exponential Growth and Decay
	3.9	Related Rates
	3.10	Linear Approximation and Differentials
10 Parametric	10.1	Curves Defined by Parametric Equations
	10.2	Calculus with Parametric Curves
4 Applications Of Differentiation	4.1	Maximum and Minimum Values
	4.2	The Mean Value Theorem
	4.3	How Derivatives Affect the Shape of a Graph
	4.4	Indeterminate Forms and L'Hospital's Rule
	4.5	Summary of Curve Sketching
	4.7	Optimization Problems
	4.8	Newton's Method
	4.9	Antiderivatives

All homework assignments and due dates are listed on WebAssign.

These are the least amount 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.

	Monday	Tuesday	Wednesday	Thursday	Friday
Sept Wk1	22	23 2.1, 2.2 Quiz 2.2	24	25 2.2, 2.3 Quiz 2.3	26
Sept **Oct** Wk2	29	30 2.4, 2.5 Quiz 2.5	1	2 2.6, 2.7 Quiz 2.6	3
Oct Wk3	6	7 Exam 1 2:30-3:30pm	8	9 2.8 Quiz 2.8	10
Oct Wk4	13	14 3.1, 3.2 Quiz 3.2	15	16 3.3, 3.4 Quiz 3.4	17
Oct Wk5	20	21 3.5, 3.6 Quiz 3.6	22	23 3.7, 3.8 Quiz 3.7	24
Oct **Nov** Wk6	27	28 Exam 2 2:30-3:30pm	29	30 3.9, 3.10 Quiz 3.9	31
Nov Wk7	3	4 10.1, 10.2 Quiz 10.2	5	6 4.1, 4.2 Quiz 4.1	7
Nov **Mar** Wk8	10	11 Veteran's day Holiday	12	13 4.3 Quiz 4.3	14 last day to drop w/W
Nov Wk9	17	18 4.4, 4.5 Quiz 4.4	19	20 4.5, 4.7 Quiz 4.7	21
Nov Wk10	24	25 Exam 3 2:30-3:30pm	26	27 Thanksgiving Holiday	28 Thanksgiving Holiday
Dec Wk11	1	2 4.7, 4.8 Quiz 4.8	3	4 4.9 Quiz 4.9	5
Dec Wk12	8	9 Final:1:45p-3:45p HW Due: 11:59p	10	11	12

Student Learning Outcome(s):

• Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
• Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
• Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

Office Hours:

M,W	6:20 PM - 7:00 PM	S76E
T,TH	11:30 AM - 12:30 PM	Zoom