

COURSE: Math 1D-53Y, CRN 28599

DAY: TBA

EMAIL: isonmillia@fhda.edu

OFFICE HOUR: MW 6:20-7:00p. On Campus, Office Room: S76e

TuTh 2p-3p. Online. Zoom Link: <https://fhda-edu.zoom.us/j/82760301880>

QUARTER: Fall 2026

INSTRUCTOR: Millia Ison

OFFICE NUMBER: S76e

COURSE PREREQUISITES: Math 1C, or equivalent course 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 registration process. 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 a computer with graph capability is required.

GRADING:

Homework ---- 150 points

Quizzes -----80 points

Discussions-----20 points

1 Exam -----100 points

Final exam --- 150 points

Total ----- 500 points

A: $\geq 93\%$, 465 - 500 pts

A- : $90\% - 92\%$, 450 - 464 pts

B+ : $87\% - 89\%$, 435 - 449 pts

B : $83\% - 86\%$, 415 - 434 pts

B- : $80\% - 82\%$, 400 - 414 pts

C+ : $76\% - 79\%$, 380 - 399 pts

C : $70\% - 75\%$, 350 - 379 pts

D : $60\% - 69\%$, 300 - 349 pts

F : $0\% - 59\%$, 0 - 299 pts

HOMEWORK POINTS: You need to do your homework on a regular bases. However all homework is due on **Tue. December 8**, 11:59 pm. No Extension under any circumstances. Total points on WebAssign is 947(subject to change). Out of which, 922 points are required (subject to change). If you have 922, you earn 150 points (full credit) toward your grade. If you have a total of 947, then $947 \div 922 = 1.027$, that is 102.7% , $102.7\% \times 150 = 154$, 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. 2 quizzes each week, due Sundays 11:59 pm, available 6 days before due. You need to finish quizzes on or before Fridays. Consider weekends are the extension if you have issues to do quizzes during week days. NO EXTENSION under any circumstances beyond the deadline on WebAssign.If a deadline is missed, you get 0 for the quiz. There are 19 quizzes this quarter. 4 lowest scores will be dropped.

DISCUSSIONS: Students are required to participate the discussion on canvas from week 2 to week 11. There will be question(s) posted on the discussion board each week. 2 points each week. 0 for late submission.

MIDTERM EXAM: 1 midterm exam. 100 points. **In person on campus. Room S44. Friday, November 6, 11:00a – 12:00p**. No make-up midterm exam. 0 point for missed exams. If there is a time conflict, you must reschedule with me to take the exam within 24 hours of the scheduled time. For missing an exam due to unusual circumstances, you must contact me before or on the exam day, then percentage of your final exam percentage will replace the missed exam score.

FINAL EXAM: 150 points. **In person on campus. Room S44. Friday, December 11, 10:00a – 12:00p**. 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 final exam will be grounds for disciplinary action.**

IMPORTANT DATES: Sunday, Oct. 4 --- Last day to drop without grade on your record.
Friday, Nov. 13 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Nov. 13**. After that day, you will receive a grade.

CHAPTER	SEC	PROBLEMS		Monday	Tuesday	Wednesd ay	Thursday	Friday		
Function Of Several Variables	14.1	Functions of Several Variables	Sep	21	22	23	24	25		
	14.2	Limits and Continuity	Wk1	Learn and do homework 14.1,14.2, and 14.3						
	14.3	Partial Derivatives		Complete Quiz 14.1 and Quiz 14.2, 3						
	14.4	Tangent Planes and Differentials	Sep	28	29	30	1	2		
	14.5	The Chain Rule	Oct	Learn and do homework 14.4 and 14.5						
	14.6	Directional Deriv & the Grad. Vector	Wk2	Complete Quiz 14.4 and Quiz 14.5						
	14.7	Maximum and Minimum Values	Oct	5	6	7	8	9		
	14.8	Lagrange Multipliers	Wk3	Learn and do homework 14.6,14.7, and 14.8						
		Complete Quiz 14.6 and Quiz 14.7								
Multiple Integrals	15.1	Double Integrals over Rectangles	Oct	12	13	14	15	16		
	15.2	Double Integrals over General Regions	Wk4	Learn and do homework 15.1,15.2 and 15.3						
	15.3	Double Integrals in Polar Coordinates		Complete Quiz 15.2 and Quiz 15.3						
	15.4	Applications of Double Integrals	Oct	19	20	21	22	23		
	15.5	Surface Area	Wk5	Learn and do homework 15.4 and 15.5						
	15.6	Triple Integrals		Complete Quiz 15.4 and Quiz 15.5						
	15.7	Triple Integrals in Cylindrical Coordinates	Oct	26	27	28	29	30		
	15.8	Triple Integrals in Spherical Coordinates	Wk6	Learn and do homework 15.6 and start 15.7						
15.9	Change of Variables in Multiple Integrals	Complete Quiz 15.6 and Quiz 15.7								
Vector Calculus	16.1	Vector Fields	Nov	2	3	4	5	6		
	16.2	Line Integrals	Wk7	Learn and do homework 15.8 and 15.9						
	16.3	The Fundamental Thm for Line Integrals		Complete Quiz 15.8,9						
	16.4	Green's Theorem	Nov	9	10	11	12	13		
	16.5	Curl and Divergence	Wk8	Learn and do homework 16.1 &16.2		Veteran's Holiday	Learn and do homework 16.2 & 16.3			
	16.6	Parametric Surfaces and Their Areas		Complete Quiz 16.2			Quiz 16.3			
	16.7	Surface Integrals	Nov	16	17	18	19	20		
	16.8	Stokes' Theorem	Wk9	Learn and do homework 16.4, 16.5 and 16.6						
	16.9	The Divergence Theorem		Complete Quiz 16.4 and Quiz 16.5,6						
	16.10	Summary								
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.			Nov	23	24	25	26	27		
			Wk10	Learn and do homework 16.7					Thanksgiving Holiday	
			Nov	30	1	2	3	4		
			Dec	Learn and do homework 16.8,16.9 and 16.10						
			Dec	7	8	9	10	11		
			Wk12	HW Due 11:59 p		Final Exam: 10a – 12p 14.1 - 16.9				

Student Learning Outcome(s):

- Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
- Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
- Synthesize the key concepts of differential, integral and multivariate calculus.

Office Hours:

6:20 PM - 7:00 PM

2:00 PM - 3:00 PM

S76E M,W

Zoom T,TH