

COURSE: Math 1D-21, CRN 27513

DAY: TuTh 4p – 6:15p

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 ---- 80 points	A: $\geq 93\%$, 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 --- 240 points	B+: 87% - 89 % , 435 - 449 pts	D: 60 % - 69 % , 300 - 349 pts
Final exam ---- 100 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 Tue. December 8, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign is 947(subject to change). Out of which, 915 points are required (subject to change). If you have 915, you earn 80 points (full credit) toward your grade. If you have total of 940, then $940/915 \approx 1.027$, that is 102.7%, $102.6\% \times 80 \approx 82$, which is 2 points extra credit. The total amount of the extra credit will be decided after the final exam.

QUIZ POINTS: 5 points each. Near the end of each meeting. **NO EXTENSION.** Absent will be counted as 0. There are 18 quizzes this quarter. 2 lowest scores will be dropped.

EXAM POINTS: 80 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 80 will replace the exam score.

FINAL EXAM: 100 points. Thursday, December 10, 4p – 6p. 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	Wednesday	Thursday	Friday
Function Of Several Variables	14.1	Functions of Several Variables	Sep	21	22	23	24	25
	14.2	Limits and Continuity	Wk1		14.1		14.2, 14.3	
	14.3	Partial Derivatives			Quiz 14.1		Quiz 14.2, 3	
	14.4	Tangent Planes and Differentials	Sep	28	29	30	1	2
	14.5	The Chain Rule	Oct		14.4		14.5	
	14.6	Directional Deriv & the Grad. Vector	Wk2		Quiz 14.4		Quiz 14.5	
	14.7	Maximum and Minimum Values	Oct	5	6	7	8	9
	14.8	Lagrange Multipliers	Wk3		14.6, 14.7		14.7, 14.8	
Multiple Integrals	15.1	Double Integrals over Rectangles	Oct	12	13	14	15	16
	15.2	Double Integrals over General Regions	Wk4		Review		15.1, 15.2	
	15.3	Double Integrals in Polar Coordinates			Exam 1		Quiz 15.2	
	15.4	Applications of Double Integrals	Oct	19	20	21	22	23
	15.5	Surface Area	Wk5		15.3, 15.4		15.4, 15.5	
	15.6	Triple Integrals			Quiz 15.3		Quiz 15.4,5	
	15.7	Triple Integrals in Cylindrical Coordinates	Oct	26	27	28	29	30
	15.8	Triple Integrals in Spherical Coordinates	Wk6		15.6,15.7		15.7, 15.8	
Vector Calculus	15.9	Change of Variables in Multiple Integrals			Quiz 15.6		Quiz 15.7	
	16.1	Vector Fields	Nov	2	3	4	5	6
	16.2	Line Integrals	Wk7		Review		15.9, 16.1	
	16.3	The Fundamental Thm for Line Integrals			Exam 2		Quiz 15.8,9	
	16.4	Green's Theorem	Nov	9	10	11	12	13
	16.5	Curl and Divergence	Wk8		16.1,16.2	Veteran's Holiday	16.3,16.4	Last day to drop with a "W"
	16.6	Parametric Surfaces and Their Areas			Quiz 16.2		Quiz 16.3	
	16.7	Surface Integrals	Nov	16	17	18	19	20
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.	16.8	Stokes' Theorem	Wk9		16.4, 16.5		16.6, 16.7	
	16.9	The Divergence Theorem			Quiz 16.4		Quiz 16.5,6	
	16.10	Summary	Nov	23	24	25	26	27
			Wk10		Review		Thanksgiving Holiday	Thanksgiving Holiday
			Nov	30	1	2	3	4
			Dec					
			Wk11		16.8		16.9, 16.10	
			Dec	7	8	9	10	11
			Wk12		HW Due 11:59 p		Final Exam 4p – 6p	

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:

S76E M,W 6:20 PM - 7:00 PM

Zoom T,TH 2:00 PM - 3:00 PM