

**COURSE:** Math 1D-55Z, CRN 49397

**DAY:** TBA

**EMAIL:** [isonmillia@fhda.edu](mailto:isonmillia@fhda.edu)

**OFFICE HOUR:** MW 6:20-7:00p. In person, OFFICE NUMBER: S76e

TuTh 11:30a-12:30p. Online. Link: <https://fhda-edu.zoom.us/j/95244405559>

**QUARTER:** Spring 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  
3 midterms --- 150 points  
Final exam ---- 100 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. June 23**, 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. 3 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.

**EXAM POINTS:** 50 points each. **4/27, 5/18 and 6/8, 6:30 – 7:30 p**. Dates are also listed on the calendar next page. No make-up midterm exams. 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 score multiplied by 50 will replace the missed 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:** 100 points. **Monday, June 22, 6:30 – 8:30 p**. 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, April 19 --- Last day to drop without grade on your record.  
Friday, May 29 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **May 29**. 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	April	6	7	8	9	10		
	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	April	13	14	15	16	17		
	14.5	The Chain Rule	Wk2	Learn and do homework 14.4 and 14.5						
	14.6	Directional Deriv & the Grad. Vector		Complete Quiz 14.4 and Quiz 14.5						
	14.7	Maximum and Minimum Values	April	20	21	22	23	24		
	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	April	27	28	29	30	1		
	15.2	Double Integrals over General Regions	May Wk4	Exam 1 6:30 – 7:30p	Learn and do homework 15.1 and 15.2					
	15.3	Double Integrals in Polar Coordinates		Complete Quiz 15.2						
	15.4	Applications of Double Integrals	May Wk5	4	5	6	7	8		
	15.5	Surface Area		Learn and do homework 15.3,15.4, and 15.5						
	15.6	Triple Integrals	Complete Quiz 15.3 and Quiz 15.4,5							
	15.7	Triple Integrals in Cylindrical Coordinates	May	11	12	13	14	15		
15.8	Triple Integrals in Spherical Coordinates	Wk6	Learn and do homework 15.6,15.7 and 15.8							
15.9	Change of Variables in Multiple Integrals		Complete Quiz 15.6 and Quiz 15.7							
Vector Calculus	16.1	Vector Fields	May	18	19	20	21	22		
	16.2	Line Integrals	Wk7	Exam 2 6:30 – 7:30p	Learn and do homework 15.9 and 16.1					
	16.3	The Fundamental Thm for Line Integrals		Complete Quiz 15.8,9						
	16.4	Green's Theorem	May Wk8	25	26	27	28	29		
	16.5	Curl and Divergence		Learn and do homework 16.1,16.2 and 16.3						
	16.6	Parametric Surfaces and Their Areas	Complete Quiz 16.2 and Quiz 16.3				Last day to drop with a "W"			
	16.7	Surface Integrals	June Wk9	1	2	3	4	5		
	16.8	Stokes' Theorem		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									
<p>All homework assignments and due dates are listed on WebAssign</p> <p>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.</p>			June	8	9	10	11	12		
			Wk10	Exam 3 6:30 – 7:30p	Learn and do homework 16.7					
			Sec 15.9-16.6				Complete Quiz 16.7			
			June	15	16	17	18	19	Juneteenth Holiday	
			Wk11	Learn and do homework 16.8,16.9 and 16.10						
			Complete Quiz 16.8 and Quiz 16.9							
			June	22	23	24	25	26		
			Wk12	Final Exam 6:30 – 8:30	HW Due 11:59 p					

**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:**

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

S75E

T,TH 11:30 AM - 12:30 PM

Zoom