

**COURSE:** Math 1C-11, CRN 27505

**DAY:** TuTh 1:30 – 3:45 pm

**ROOM:** S44

**ZOOM OFFICE HOUR:** TuTh 4:30p-6:10p. Link: <https://fhda-edu.zoom.us/j/95244405559>

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**QUARTER:** Fall 2023

**INSTRUCTOR:** Millia Ison

**OFFICE NUMBER:** S76e

**COURSE PREREQUISITES:** Math 1B, 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 ----160 points

Quizzes -----80 points

3 midterms --- 150 points

Final exam ---- 110 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 12, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign is 1136(subject to change). Out of which, 1100 points are required (subject to change). If you have 1100, you earn 160 points (full credit) toward your grade. If you have total of 1136, then  $1136/1100 \approx 1.03$ , that is 103%,  $103\% \times 160 \approx 165$ , which is 5 points extra credit. The total amount of the extra credit will be decided after the final exam.

**QUIZ POINTS:** 5 points each. 3:15 – 3:45 pm each meeting. **NO EXTENSION.** Absent will be counted as 0. There are 18 quizzes this quarter. 3 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. For unusual circumstances, the percentage of your final exam score multiply by 50 will replace the exam score.

**FINAL EXAM:** 110 points. **Tuesday, December 12, 1:45 – 3:45 pm.** 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. 8 --- Last day to drop without grade on your record.  
Friday, Nov. 17 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Nov. 17.** After that day, you will receive a grade.

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Parametric Equations And Polar Coordinate	10.1	Curves Defined by Parametric Equations	Sept	25	26	27	28	29
	10.2	Calculus with Parametric Curves			10.1, 10.2		10.3	
	10.3	Polar Coordinates	Wk1		Quiz 10.2		Quiz 10.3	
	10.4	Areas and Lengths in Polar Coordinates	Oct	2	3	4	5	6
Infinite Sequences And Series	11.1	Sequences	Wk2		10.4 Quiz 10.4		11.1 Quiz 11.1	
	11.2	Series	Oct	9	10	11	12	13
	11.3	The Integral Test and Estimates of Sums			Exam 1 2:30 – 3:30p		11.2	
	11.4	The Comparison Tests	Wk3		Sec.10.1 – 11.1		Quiz 11.2	
	11.5	Alternating Series and Absolute Convergence	Oct	16	17	18	19	20
	11.6	The Ratio and Root Tests			11.3, 11.4		11.4, 11.5	
	11.7	Strategy for Testing Series	Wk4		Quiz 11.3		Quiz 11.4,5	
	11.8	Power Series	Oct	23	24	25	26	27
	11.9	Representations of Functions as Power Series			11.6, 11.7		11.8 & 11.9	
	11.10	Taylor and MacLaurin Series	Wk5		Quiz 11.6,7		Quiz 11.8,9	
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Oct	30	31	1	2	3
	12.2	Vectors	Nov		11.10, 11.11 Quiz 11.10		12.1, 12.2 Quiz 12.1, 2	
	12.3	The Dot Product	Nov	6	7	8	9	10
	12.4	The Cross Product	Wk7		Exam 2 2:30 – 3:30p		12.3	
	12.5	Equations of Lines and Planes			Sec. 11.2 – 11.11		Quiz 12.3	
	12.6	Cylinders and Quadric Surfaces	Nov	13	14	15	16	17
					12.4, 12.5		12.5, 12.6	last day to drop w/W
			Wk8		Quiz 12.4		Quiz 12.5	
Vector Functions	13.1	Vector Functions and Space Curves	Nov	20	21	22	23	24
	13.2	Derivatives and Integrals of Vector Functions			12.6, 13.1		Thanksgiving	Thanksgiving
	13.3	Arc Length and Curvature	Wk9		Quiz 12.6			
	13.4	Motion in Space: Velocity and Acceleration	Nov	27	28	29	30	1
			Dec		Exam 3 2:30 – 3:30p		13.1, 13.2	
			Wk10		Sec. 12.1 – 12.6		Quiz 13.2	
			Dec	4	5	6	7	8
			Wk11		13.3 Quiz 13.3		13.4 Quiz 13.4	
		Dec	11	12	13	14	15	
		Wk12		Final 1:45 – 3:45p HW Due 11:59 p				

**Student Learning Outcome(s):**

- Analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
- Apply infinite sequences and series in approximating functions.
- Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

**Office Hours:**

T,TH 04:30 PM 06:10 PM Zoom