

COURSE: Math 1C-15, CRN 27507
DAY: MW 4:00p – 6:15p
ROOM: S46/S44
OFFICE PHONE: 864-5659

QUARTER: Fall 2025
INSTRUCTOR: Millia Ison
EMAIL: isonmillia@fhda.edu

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: 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 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 a computer with graph capability is required.

GRADING:

| | | |
|----------------------------|---------------------------------|--------------------------------|
| Homework ----160 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 --- 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 basis. However, all homework is due on **Tue. December 9**, 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. 5:45 – 6:15 pm each meeting. You must take quiz in person. Absent will be counted as 0. **NO EXTENSION.** There are 19 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. 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. **Wednesday, Dec. 10, 4:00pm – 6:00 pm.** 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 **November 14**. 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 | Sep | 22 | 23 | 24 | 25 | 26 |
| | 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 | Sep | 29 | 30 | 1 | 2 | 3 |
| Infinite Sequences And Series | 11.1 | Sequences | Oct | 10.4 | | 11.1 | | |
| | 11.2 | Series | Wk2 | Quiz 10.4 | | Quiz 11.1 | | |
| | 11.3 | The Integral Test and Estimates of Sums | Oct | 6 | 7 | 8 | 9 | 10 |
| | 11.4 | The Comparison Tests | Wk3 | Exam 1 5:00 – 6:00p Sec.10.1 – 11.1 | | 11.2 | | |
| | 11.5 | Alternating Series and Absolute Convergence | Oct | 13 | 14 | 15 | 16 | 17 |
| | 11.6 | The Ratio and Root Tests | Wk4 | 11.3,11.4 | | 11.4, 11.5 | | |
| | 11.7 | Strategy for Testing Series | | Quiz 11.3 | | Quiz 11.4,5 | | |
| | 11.8 | Power Series | Oct | 20 | 21 | 22 | 23 | 24 |
| | 11.9 | Representations of Functions as Power Series | Wk5 | 11.6, 11.7 | | 11.8 & 11.9 | | |
| | 11.10 | Taylor and MacLaurin Series | | Quiz 11.6,7 | | Quiz 11.8,9 | | |
| | 11.11 | Applications of Taylor Polynomials | Oct | 27 | 28 | 29 | 30 | 31 |
| Vector And The Geometry Of Space | 12.1 | Three-Dimensional Coordinate Systems | Wk6 | 11.10 | | 11.10, 11.11 | | |
| | 12.2 | Vectors | Nov | 3 | 4 | 5 | 6 | 7 |
| | 12.3 | The Dot Product | Wk7 | Exam 2 5:00 -6:00p Sec. 11.2 – 11.11 | | 12.1, 12.2 | | |
| | 12.4 | The Cross Product | | Quiz 12.1,2 | | Quiz 12.1,2 | | |
| | 12.5 | Equations of Lines and Planes | Nov | 10 | 11 | 12 | 13 | 14 |
| | 12.6 | Cylinders and Quadric Surfaces | Wk8 | 12.3 | Veterans Day Holiday | 12.4 | | last day to drop w/W |
| Vector Functions | 13.1 | Vector Functions and Space Curves | Nov | 17 | 18 | 19 | 20 | 21 |
| | 13.2 | Derivatives and Integrals of Vector Functions | Wk9 | 12.5 | | 12.6 | | |
| | 13.3 | Arc Length and Curvature | | Quiz 12.5 | | Quiz 12.6 | | |
| | 13.4 | Motion in Space: Velocity and Acceleration | Nov | 24 | 25 | 26 | 27 | 28 |
| | | | Wk10 | Exam 3 5:00 - 6:00p Sec. 12.1 – 12.6 | | 13.1, 13.2 | Thanksgiving Holiday | Thanksgiving Holiday |
| | | | Dec | 1 | 2 | 3 | 4 | 5 |
| | | Wk11 | 13.3 | | 13.3, 13.4 | | | |
| | | | Quiz 13.3 | | Quiz 13.4 | | | |
| | | Dec | 8 | 9 | 10 | 11 | 12 | |
| | | Wk12 | | HW Due 11:59p | Final Exam 4p– 6p | | | |

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:

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

S76E

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

Zoom