Syllabus for Math 237, Calculus III

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Office hours: M 14:00–15:00, Th 15:00–16:00 and by appointment   Canvas link ↗

PREREQUISITES: Math 236 with a grade of C– or higher.

CLASS DETAILS: Math 237, Calculus III, Spring 2024
Section 0005: MWF: 11:30 – 12:20 in Burruss 139, and Th: 11:10 – 12:25 in Burruss 126
Section 0006: MWF: 12:40 – 13:30 in Burruss 033, and Th: 12:45 – 14:00 in Burruss 141.

BOOK: *Calculus (Early Transcendentals)*, J. Stewart, 8th edition.

CALCULATORS: With no exceptions, the only machines allowed for assistance on assessments (including exams and quizzes) have **only** the ability to compute $+$, $-$, $\times$, $\div$, exponentiation, logarithms, trigonometric functions, and roots (e.g., square root). Machines with any other capabilities, (e.g., phones) are not allowed. For homework, graphing calculators such as Desmos ↗ are allowed. Unless specifically stated as a requirement in an assignment, the use of LLMs (e.g., ChatGPT, LLAMA3) or algorithmic solvers (e.g., Wolfram Alpha, Maple, and Gurobi) are prohibited.

GRADING: There will be three midterm exams (18% each) and a final exam (22%). Homework, quizzes, and classwork are 24% of the final grade. If it helps the final grade of the student, **the lowest midterm grade can be replaced with the final exam grade**. Grades will be assigned according to the following scheme, with $+/-$ assigned if within 2 points of the closest grade.

   A: Over 90%,   B: $89.\overline{9}\% - 80\%$,   C: $79.\overline{9}\% - 70\%$,   D: $69.\overline{9}\% - 60\%$,   F: under 60%.

HOMEWORK: This semester, we will use WebWork, which is free for students enrolled in this class. To access WebWork, click the link on the class Canvas page. Unlimited resubmits are allowed. Unless instructor intervention is required, the WebWork grade will automatically be imported to the Canvas Gradebook within 12 hours.

FINAL EXAM OPT-OUT POLICY: If a student satisfies both of the following criterion, then they may opt out of the final exam and replace it with the average of their 3 midterm exams; if this option is taken, the student cannot replace or drop any of their midterm exams. Requirements: **(1)** All 3 midterms were taken; and **(2)** The student's final grade (with the 22% final exam allocation replaced by the average of midterms 1, 2, and 3) is an A or B. **Important:** Instructor confirmation of eligibility must be obtained in writing prior to the final exam (TL;DR: email me for confirmation). Beware: Canvas might not display your projected final grade correctly.

UNIVERSITY POLICIES: For JMU policies for attendance, inclement weather, disability accommodations and religious accommodations, please see: http://www.jmu.edu/syllabus/ ☑

HONOR CODE All students must abide by the JMU honor code at all times. Cheating comes with serious repercussions: http://www.jmu.edu/honorcode/ ☑ .

ATTENDANCE: Attendance of all students is expected. Students are responsible for all of the information covered in-class, and the students will gain experience working on problems that prepare them for quizzes and exams. Absences may be excused with appropriate evidence according to University Policy (see above) in combination with appropriate notice to the instructor. *Excused absences include, e.g.,:* weddings, funerals, family emergencies, religious holidays, mental health reasons, physical health reasons, doctor appointments, hospitalizations, jury service and subpoenas, NCAA athletics involvement, and anything else the Provost's office deems worthy (in writing) of an excused absence.

If an excusable absence is *known in advance* (e.g., court appearance, medical appointment, etc.), notice must be provided via email to the instructor as early as possible prior to the absence (minimum 24 hours). If the student misses class for an *excusable and unexpected* reason (e.g., due to unexpected hospitalization), they must provide notice within 1 week of their return to university activities. The instructor may require evidence of an absence excuse, but per University Policy, students are never obliged to divulge specific medical information.

CLASSWORK/HOMEWORK/QUIZZES: In-class group and individual assignments may be given with little or no notice; if these assignments are missed for an unexcused reason, 0 credit will be given. If a student misses a quiz or classwork with an excused absence (with proper notice in accordance with the Attendance policy above), then their classwork/homework/quiz average will not include the missed assignment. If a student has an excused absence during a period when an out-of-class assignment is due, they are eligible for a deadline extension; students must request this extension within one week of their return to university activities. If all assignments in a particular category (classwork, quizzes, or homework) are missed, 0 credit will be received in that category.

EXAMS: Exams missed for an *unexcused* reason receive 0 credit, with no opportunity for a makeup exam. For *excused* absences, the student must contact the instructor prior to the exam via email to arrange a make-up exam. If a make-up exam is not taken within 1 week of the original exam date, 0 credit will be received. For circumstances that are serious, unplanned, unavoidable, and beyond the student's control (e.g., a student is hospitalized and unable to organize a make-up exam in time), contact the instructor and the situation will be handled on an individual basis.

EMAILS: All email correspondence must be formatted in a professional manner: this includes a greeting, closing, proper grammar/formatting, and all relevant information (e.g., class, section number, and/or absence dates). Emails that do not abide by this policy will not receive a response.

GRADE APPEALS: Specific grading disputes (points totaled incorrectly, partial credit appeals, missing assignments on Canvas, etc.) should be brought to the instructor's attention within 1 week of return of the assignment or its posting date on Canvas. This does not guarantee a grade change. Appeals outside of this timeframe will not be considered.

ADDITIONAL HELP: Calculus can be tough. Please make use of the following resources available to JMU students with no extra cost.

→ JMU offers tutoring for the very low price of $0. Drop by the SMLC in SSC 1110, 11am - 9pm M-TH or online (SMLC ↗), or the Math & Statistics learning center in Roop G25 ↗.

→ My office hours are **Wednesday 1:35–2:35 PM and by appointment**. If my office hours do not meet your schedule, write me an email and we will find a meeting time.

→ If class is missed for any reason, refer to the schedule in this syllabus which **section** of the text to read; also, check the class website for additional notes and resources.

→ JMU offers accessibility accommodations ↗, including extra exam time, note takers, and recorded lectures.

→ The JMU Counseling Center ↗ has many resources and programs that are **free** to students.

→ Madison Cares ↗ is a service for referring students of concern who may need help.

TENTATIVE SCHEDULE

Week 1: 8/20 – 8/22: §12.1, 12.2
Week 2: 8/25 – 8/29: §12.2, 12.3
Week 3: 9/1 – 9/5: 12.3, 12.4
Week 4: 9/8 – 9/12: 12.5 **9/9:** Withdrawal deadline
Week 5: 9/15 – 9/19: §13.1, 13.2, (read 10.1–10.2); **9/18: Midterm I**;
Week 6: 9/22 – 9/26: §13.3, 13.4
Week 7: 9/29 – 10/3: §13.4 (read 14.1), 14.2, 14.3
Week 8: 10/6 – 10/10: §14.3, 14.5
Week 9: 10/13 – 10/17: §14.5, 14.4, 14.6; **10/16: Midterm II**;
Week 10: 10/20– 10/21: §14.6
      Fall Break: 10/22 – 10/26: no class
Week 11: 10/27 – 10/31: §14.7 (read 12.6), 14.8
Week 12: 11/3 – 11/7: §14.8, 15.1
Week 13: 11/10 – 11/14: §15.2, 15.6 (read 10.3–10.4)
Week 14: 11/17– 11/21: §15.3, 15.7 (read 15.4) **11/20: Midterm III**;
      Thanksgiving Break: 11/22– 11/30: no class
Week 15: 12/1 – 12/5 §15.8; Overview of Ch. 16
Final exam:[1]
      Section 0005: Monday, 12/08, 10:30 AM - 12:30 PM
      Section 0006: Wednesday, 12/10, 10:30 AM - 12:30 PM

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[1]https://www.jmu.edu/registrar/wm_library/fall_exam_schedule.pdf ↗