

M237 Calculus III (Section 0003)

MWF 1:25 - 2:15, Burruss 0133

T 2:00 - 3:15, Burruss 0034

Text: *Calculus - One and Several Variables*, Salas/Hille/Etgen, 8th edition, Wiley, 1999.

Prerequisite: C or better in Math 236 or equivalent.

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Office Hours: MTF 10:10-11:00, W 12:15-1:15, and by appointment.

Course Goals: In this course, the student should develop and understanding of both the theory and applications of the Calculus topics covered and enhance problem solving skills.

Course Content: This course covers topics in Chapters 9 and 12–16 of the above text. See the Daily Schedule for detailed information and homework assignments for this semester.

Homework and Quizzes: Some time will be set aside to discuss homework in class. I CANNOT STRESS ENOUGH the importance of KEEPING UP with homework AND attending class AND reading your text. It has been my experience that students who do not do this rarely succeed in this class, or for that matter, in any math class. Homework will be collected in the following manner: students will roll dice in class to determine one problem from the assignment due that will be graded. The graded problem will be the one assigned which is nearest to the number rolled. We will reroll if the number rolled is higher than the number of the last problem from the assignment. After the third reroll, the last problem will be turned in if the number still exceeds this. Assignments to be graded are due TWO CLASS MEETING DAYS after the assignment was made. For example, for an assignment made on Monday, we will roll on Weds.; for an assignment made on Weds., we will roll on Mon., etc. You must SHOW your work for credit. NO LATE HOMEWORKS WILL BE ACCEPTED FOR ANY REASON. Only selected sections will be turned in for homework grades. There will also be several (≈ 3) homework quizzes throughout the semester. These quizzes, and the sections they will cover, will be announced with 1–2 days notice and all problems on the quiz will be taken directly from the assigned homework for those sections. There will be NO MAKEUP QUIZZES given for ANY reason. Quizzes will count as the equivalent of three homework scores. You will have the opportunity to drop three homework scores. Plan accordingly.

Technology: A graphing calculator, such as the TI-8X, X=2,3,5,6, is recommended for this course. Calculators with symbolic capabilities are not permitted for exams. The tutorial center is a place where students may get help with some versions of the TI calculators. Some use of the mathematical software Maple may also be required.

Attendance: It has been shown by experience that lack of attendance in this class correlates highly with a lack of success in this class. Thus, if you miss eight classes, your final course grade will be lowered by a full letter grade. You are strongly encouraged to attend *every* class. You or a family member should contact me as soon as possible if you have an extended illness.

Grading Policy: 90–100: A- to A range; 80–89: B- to B+ range; 70–79: C- to C+ range; 60–69: D to D+ range; 59 and below: F. An exceptional job on the final exam or excellent class attendance and participation could bump borderline cases up to the higher grade. Grades will be calculated in the following manner:

- 1. Homework/Quizzes: 19 % .** See the description above.
- 2. Three exams: 57 % .** The exam dates are Wed. Sept. 24, Weds. Oct. 29, and Mon. Nov. 24. Please mark your calendars. DO NOT MISS AN EXAM!!! Make-up exams will be given only in the most extreme of circumstances constituting a DOCUMENTABLE, EXTREME, SUDDEN, EMERGENCY situation. A missed exam for any other reason will result in a score of zero for that exam.
- 3. Comprehensive final exam: 24 %.** Held on Tues. Dec. 9, 1:30PM–3:30PM.

For your information, a departmental syllabus and mission statement can be found at the following links: www.math.jmu.edu/~carother/syllabi/SYL.htm and www.math.jmu.edu/~carother/syllabi/missionandgoals.htm