

M236 Calculus II (Section 0007)

MWF 10:10 - 11:00, Roop 0212

Th 11:00 - 12:15, Burruss 0034

Text: *Calculus* by Anton (Special Edition, Volume One) Wiley, 2007.

Prerequisite: C or better in Math 235 or equivalent.

Instructor: Dr. Debra Polignone Warne, Office: Roop 107, Ph: 568 - 2546

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Website: www.math.jmu.edu/~warneda

Office Hours: MW 11:15-12:05, Th 12:30-1:30, F 9:05-9:55 and by appointment.

Learning Center: The Science/Math Learning Center, located in Roop 200 offers FREE help in a variety of math courses, including M236. It is *highly recommended* that you utilize this valuable resource. See the tutorial center website for details: <http://www.jmu.edu/smrc/>.

Course Goals: In this course, the student should develop an 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 7–11 of the above text, including the calculus of transcendental functions, integration techniques, sequences, indeterminate forms, improper integrals, and infinite series. See the M236 link on my website www.math.jmu.edu/~warneda/math236.html (this is NOT blackboard) for information and homework assignments to be updated regularly throughout the semester.

Homework and Quizzes: Doing homework regularly, and understanding WHY you are doing what you're doing, is extremely important to your success in this class. The goal is not just to get the homework done. Putting in more effort up front will save you many headaches later. You should try to find some classmates for study groups, etc. Much learning can occur when you are seeing a topic from someone else's perspective. Homework will not be collected, however there will be several homework quizzes throughout the semester. These quizzes, and the sections they will cover, will be announced with 1–2 days notice and problems will resemble assigned homework or classwork for those sections. There will be NO MAKEUP QUIZZES given for ANY reason. A few assignments (hw projects) may also be collected as part of your grade.

Attendance: It has been shown by experience that lack of attendance in this class correlates highly with a lack of success in this class. It is highly recommended that you attend *every* class; our pace will be quick and you will be responsible for material covered in class that may not appear in your text. I will not use office hours to go over material that you missed from not attending class. If you have an extended illness, contact me as soon as possible.

Technology: A generic scientific calculator is all you will need (and sparingly at that) for this course. A graphing calculator, such as the TI-8X, X=2,3,5,6, is allowed, however calculators with symbolic manipulation capabilities are not, and graphing calculators will not be allowed on some (most!?) exams and quizzes. The computer lab software *Maple* may be utilized for some projects.

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. WP/WF requests will be considered only up until one week after the second exam. A grade of C- is needed for WP, if granted. Grades will be calculated in the following manner:

- 1. Quizzes/Projects: 18 % .** See the description above.
- 2. Three exams: 60 % .** Exam dates will be announced with at least one week notice. 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: 22 % .** Held on Weds. April 30, 10:30am-12:30pm in Roop 0212.

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