

MAT 309 — Calculus and Analytic Geometry 3 — Fall 2010

Instructor: Dubravko Ivanić [pronunciation: DOO-brahv-ko EE-vahn-shich] Ivanić is the last name.

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Office: Faculty hall 6A1 (in the Department of Mathematics and Statistics annex)

Course webpage: (A link to this has also been placed on Blackboard.)
<http://campus.murraystate.edu/academic/faculty/divansic/10fall/309home.html>

Office Hours: Ask me or check the webpage.

Prerequisites: MAT 308.

Textbook: J. Rogawski, Calculus, early transcendentals. We plan to cover chapters 12-17, or parts thereof.

Homework: The list of homework problems may be found on the webpage and each section will be assigned after we cover it. You are not required to turn in homework, but are expected to answer questions over it when we discuss it in class.

Don't fall behind: Calculus 3 mainly deals with functions of several variables so almost all of the material will be new to you. You will need to be comfortable with differentiating and integrating functions of one variable — make sure you refresh this knowledge. In addition, a lot of material is packed into a tight schedule, hence, many things will be left to you to figure out on your own. We will not be able to answer all homework questions, so if any remain, come to office hours to address them. Typically, this is a challenging course for many people, so it is important that you are up to date from the very beginning.

Mathematics is best learned by doing and to acquire proficiency it is essential that you do many homework problems. For quality results, expect to spend at least one to two hours of study time for every hour of class time. If some things aren't clear to you, see me for help as soon as possible and not the day before the exam.

Attendance: is strongly encouraged every day, and roll will be taken. If you missed eight or fewer classes during the semester, you get 3% bonus points. Note that you are not penalized for missing a class (the points are in excess to your total grade), so an absence is counted as such regardless of the reason (“excused” or not).

Participation in class: is strongly encouraged, as your questions indicate what points need to be addressed in more detail. We will go over some homework in class. You are expected to have worked the problems at home in order to both ask and answer questions on the homework. To encourage participation, a portion of your final course grade will be based on how active you are in class. In order to earn points, you need to be able to answer a homework question when called on.

Exams: There will be five exams whose dates will be announced well in advance. Calculators will **not** be allowed on any of the exams. At each exam, I anticipate giving some take-home problems to turn in later that will fall under “other graded work”.

Final exam: is comprehensive and will be held on Thursday, December 9th at 1:30PM in our usual classroom.

Grade: For your final grade, each of the seven exams is worth 17%, participation in class is worth 5%, and all other graded work is worth 10% of the total. Your final exam grade replaces your poorest two exam grades if it is better, hence, it is worth 34%. If you are happy with your exam scores during the semester, you don't have to take it. (Note that getting a good grade on the final is more difficult than on a regular exam, since it covers the whole semester.) No extra credit work will be given to repair your grade. The final grade scale is

90%–100%=A, 80%–89%=B, 70%–79%=C, 60%–59%=D, 0%–59%=E.

Make-ups: Make-ups for exams will be given only in cases of illness, field trips or other unavoidable circumstances. You will need to provide written verification of the reason for your absence in advance and as soon as possible. If you are unexpectedly absent from an exam, contact me by phone or e-mail **that same day** and arrange to take a make-up. The make-up should occur *soon*, which typically means “before I return the exam”. Make-ups for other graded work will be given at my discretion. Asking for a make-up more than once makes it less likely that I will grant it.

Academic honesty policy: In compliance with the Board of Regents policy on academic integrity, instances of academic dishonesty, as determined by the instructor, will result in zero points for the assignment and possibly a grade of “E” for the course.

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