

## SYLLABUS FOR MATH 1220 - CALCULUS II

Fall 2003

INSTRUCTOR: **Renzo Cavalieri**.

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Office hours: after class and by appointment.

TEXTBOOK: *Calculus*, 8th Ed., D. Varberg, E. J. Purcell and S. E. Rigdon.

LOGISTICS: The class will meet MTWF 7:30-8:20 am in LS 101.

INITIAL DISCLAIMER: This syllabus is not necessarily what exactly is going to happen in this class. I mean, if along the way I have some inspirations for little reorganizations of the material, or rescheduling of tests and quizzes that I feel will improve the course, I reserve the right to follow them and I will let you know with due advance. This doesn't hold for class and grading policies, that are here decided and will be followed exactly as stated.

COURSE OUTLINE: Mathematics 1220 is a continuation of the study of differential and integral calculus begun in 1210, focusing on applications. Topics include transcendental functions, techniques of integration, improper integrals, infinite sequences and series, Taylor series, numerical methods and approximations, and differential equations.

We will cover extensively and in depth chapters 7, 8, 9 and 10 of the textbook. A selection of topics and ideas from chapters 11 and 12, developed with a certain amount of freedom, will conclude the course.

HOMEWORK AND QUIZZES: The idea is that you'll have to be responsible of either homework or short quizzes weekly. Let's say on Friday. We will alternate, one week homework will be due, the next week we'll have a short (maybe 15 min) quiz. We will start on August 29th with the first quiz.

EXAMS: We'll have three intermediate exams, that at this point are scheduled for the following dates:

- October 1st.
- October 29th.
- November 21st.

FINAL EXAM: Following the official guidelines of the school, the final exam should be on December 8th, 8:00 to 10:00 am, in our regular classroom.

COURSE GRADES. Here is the chart of how grades will be decided:

- 30% for the final exam.
- 15% for each of the three intermediate exams.
- 10% for homework.
- 10% for quizzes (dropping the worst one).
- 5% for class attendance and participation.

MISCELLANEOUS: Make up quizzes and exams can be arranged, but please, please, please do notify me beforehand. I reserve the right to refuse to offer a makeup if I am asked after the event itself.

In case of special needs I am willing to make special arrangements about homework, attendance policy etc etc but again I require that you discuss such arrangements “before the fact”.

I consider extremely important class participation. I encourage you to make questions, remarks, comments. I will often ask you guys to come up to the blackboard to solve exercises.

ADA STATEMENT: the American with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic, learning and psychiatric disabilities. Please contact me at the beginning of the course to discuss any such accommodations you may require for the course.

IMPORTANT DATES:

- last day to drop class Aug 29th.
- last day to add a class Sep 2nd.
- last day to withdraw without permission Oct 17th.