

MATH. 3113, SEC. 5, INTRODUCTION TO ORDINARY DIFFERENTIAL
EQUATIONS, SPRING 2008, TTH 1:30-2:45 PM, PHSC 102

This is the syllabus for Mathematics 3113, Section 5, for the Spring Semester, 2008. Please read it carefully. You will be responsible for all information given in the syllabus, and for any modifications to it that may be announced in class.

Instructor:

Tomasz Przebinda, Room 524, PHSC; home page: <http://crystal.ou.edu/>; e-mail: tprzebinda@gmail.com; tel: 325-0830

Office hours:

Tuesday, Thursday 11:00 - 12:00 PM. If you need help please see me during these office hours or make an appointment. In fairness to other students I cannot discuss the solutions of particular homework problems before they are handed in, but I'll be happy to help you with the material in general.

Text:

The textbook for this course is *Differential Equations and Boundary Value Problems* (4th edition), by Henry Edwards and David E. Penney.

Course outline:

We shall cover most of the material contained in the first seven chapters of the book.

Lectures:

You are expected to attend all lectures, and are responsible for all information given out during them. In particular, this includes any changes of dates tests, grading policies, or homework assignments. I shall do my best to put any last minute course information on my home page <http://crystal.ou.edu/>.

Testing:

There will be two midterm exams during the class period (70 minutes): on Tuesday

February 26 and Tuesday April 22, and the final exam, 1:30-3:30 PM, Tuesday, May 6. University regulations require that you take the final exam at this time. Do not arrange travel plans that prevent you from attending the final exam. All the exams are going to be in the same room.

Calculators:

This is a course of mathematical concepts and techniques, not a course of mechanical computation, and as such there is little if any use for calculators. If you wish to use a calculator for homework problems, that is your option. Only a writing utensil, paper and your well prepared mind are allowed for solving problems on the exams.

Homework:

There will be weekly assignments, to be handed in on Tuesday at the beginning of the class. Late assignments cannot be accepted. Each current homework assignment shall be posted on my home page <http://crystal.ou.edu/>. You are welcome to experiment with Mathematica, Matlab or other computer programs while you do your homework. No knowledge of any of these programs is required.

Final grade;

The final grade is going to be determined based on the following total score:
(final exam 49%) + midterms 17% + 17% + (homework 17%).

Academic Misconduct:

Cases of academic misconduct are inexcusable, will be reported to the dean, and will be punished under University regulations. Don't do it.

Students with Disabilities:

Any student having a disability that may interfere with the demonstration of his or her abilities should contact me as soon as possible to arrange accommodations necessary to ensure full participation in the course.

Withdrawal Policy:

Please consult <http://www.ou.edu/>

Grade of Incomplete:

The grade of “I” is a special-purpose grade given when a specific task needs to be completed to finish the course work. This is typically a term paper or other special assignment, so rarely makes sense in a mathematics course. An “I” cannot be given to avoid a low grade in cases where the course work is not strong.

Advice:

It is important to think about the subject daily or almost daily (you will learn much more in two hours a day for seven days than in seven hours a day for two days). Working problems is your most important learning technique. Work sessions with fellow students can be very productive, as long as one avoids the pitfall of becoming dependent on others. Experience has shown the importance of keeping completely caught up; cramming is even less effective in mathematics than in other courses.