

640:244:01-03

**DIFFERENTIAL EQUATIONS FOR ENGINEERING AND PHYSICS**

SPRING 2007

<http://math.rutgers.edu/courses/244/244-s07/speer/>

**Instructor:** Professor E. Speer      Office: Hill Center 520  
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**Office Hours:** Monday, Busch 4<sup>th</sup> period, 1:40-3:00, Hill Center 520  
Tuesday, Busch 5<sup>th</sup> period, 3:20-4:40, Hill Center 520  
By chance or appointment in Hill Center 520

**Recitation:** The recitation instructor is Eduardo Osorio, [eduardos@math.rutgers.edu](mailto:eduardos@math.rutgers.edu). His office is Hill Center 606; he will announce his office hours in the first recitation, and they will be posted on the web page.

**Text:** Boyce and DiPrima, *Elementary Differential Equations* (8<sup>th</sup> edition). New York: John Wiley and Sons, 2005.

**Web site:** Course information will be posted regularly on the class web page given above.

**Homework:** Homework problems will be assigned and will be discussed in recitation. They will not be collected.

**Quizzes:** A brief quiz will be given in most recitation classes; see the syllabus. Only the highest eight quiz grades will be counted.

**Exams:** There will be two in-class exams, on **Thursday, February 22** and **Thursday, April 5**. The final exam will be **Wednesday, May 9, 12:00-3:00 PM**; the room for the final will be announced later. Make-up exams will be given only in the case of well-documented illness or major emergency or (only with permission in advance) of a major outside commitment.

**Calculators and formula sheets:** Calculators may not be used on quizzes or exams. I may provide a brief sheet for some or all of the exams, containing a few hard-to-remember formulas.

**Maple labs:** Six Maple labs will be assigned; Lab 0 is for practice and will be collected and checked off; Labs 1-5 will be collected and graded. I will drop the low lab grade in computing your average. To obtain the labs (and, for each lab, a starter Maple worksheet containing many of the commands for that lab), go to the web site for Math 244 this term:

<http://math.rutgers.edu/courses/244/244-s07/>

In general I do not accept late Maple labs. However, there is a loophole, which you may use *at most once* in the term: If you have completed a lab but cannot attend the lecture due to an emergency, you may email the lab to me (as an attachment). *I must receive the email by the end of the lecture at which the lab is due, and you must turn in a printed copy which is the same as the lab you emailed within twenty-four hours* (put it under my door if I am not in my office).

**Grading:** Grading will be based on a weighted average of quizzes, Maple labs, and exams:

Quizzes . . . . .	12%
Maple labs . . . . .	8%
Class exams . . . . . 20% each . . . . .	40%
Final exam . . . . .	40%