

640:244:06-08

**DIFFERENTIAL EQUATIONS FOR ENGINEERING AND PHYSICS**

FALL 2006

<http://math.rutgers.edu/courses/244/244-f06/speer/>

**Instructor:** Professor E. Speer      Office: Hill Center 520  
Telephone: 445-1313 (Rutgers extension 5-1313)  
Email: [speer@math.rutgers.edu](mailto:speer@math.rutgers.edu)

**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 520

**Recitation:** The recitation instructor is Thotsaporn “Aek” Thanatipanonda. He will announce his office hours at the first recitation.

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

**Web site:** Course information, **including Maple labs for our sections** (see below), will be posted on the web page <http://math.rutgers.edu/courses/244/244-f06/speer/>.

**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 schedule. Only the highest eight quiz grades will be counted.

**Exams:** There will be two in-class exams, on **Wednesday, October 11** and **Wednesday, November 15**. The final exam will be **Wednesday, December 20, 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 particularly 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. Get the description of the labs, as well as a starter Maple worksheet containing many of the commands for that lab, **at the class web site**.

**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%