Elementary Differential Equations

Math 2410 (section 12)
Spring 2010

Final week office hours and review:

I will be in my office to answer questions Wednesday 4:15--5:15

I will have a review session Tuesday afternoon at 4 in our usual room: MSB 403. See you there.

What the exam will cover:

The final exam will range over material from the entire course. If you know how to do problems like the ones from the homework
you are doing OK. The material you need to know from section 6.3 has been scaled back from the original syllabus---see below.
We did not cover any material from chapter 5.

Instructor: Andrew Haas
Office: MSB 306
Office Hours: Tu 10:30--11:30, Th 11:15--12:15 and by appointment
Tel. 486-4328

Webpage

Email address: andrew.haas(at)uconn.edu

Textbook: *Differential Equations*, 3rd ed., Blanchard, Devaney, and Hall

Quizzes: A quiz is a 25-35 minute exam. There will be a quiz at the beginning of class on the following dates: Tursday Feb.4, Thursday Feb. 18, Thursday March 4 Thursday March 25, Thursday April 8 and Tuesday April 22. There will be no make-ups!

Exams: The final exam will be the only long exam and will cover the entire semester.

Grading: The final will be worth 30% of your grade and the quizzes will be worth 70%.

Tools: Euler's method and more, DE tools, Integrator, more DE tools

Suggested homework exercises:

1.1--1, 3, 5, 8, 15, 16, 19
1.2--1, 2, 3, 6, 9, 15, 23, 26, 30, 33
1.3--1, 6, 7, 8, 11, 12, 14, 15, 18
1.4--2, 5, 6, 12, 13
1.5--1, 4, 9, 11, 13, 14
1.6--1, 3, 5, 7, 9, 13, 15, 19, 28, 30, 33, 36, 39, 43
1.7--1, 3, 5, 7, 9, 11, 20
1.8--1, 3, 7, 8, 9, 11, 13, 19, 23, 27
2.1--1, 2, 4, 9, 10, 14, 15, 16
2.2--1, 3, 4, 7, 10, 13, 15, 16, 27

2.4--1, 3, 7, 8, 9, 12, 13, 14
3.1--7, 8, 11, 14, 17, 18, 24, 27, 34
3.2--1, 4, 5, 7, 11, 13b, 14a, 17, 21
3.3--1, 4, 7, 9, 11, 13, 19, 21
3.4--1, 5, 7, 11, 13, 15, 22, 23
3.5--1, 4, 7, 9, 11, 15, 19, 22a
3.6--1, 2, 4, 5, 8, 9, 13, 15, 18, 21, 23, 30, 35
4.1--1, 3, 5, 11, 14, 17, 20, 21, 27, 31, 33, 36, 39
4.2--1, 6, 9, 11, 14, 15, 16, 17
6.1--1, 3, 7, 9, 11, 15, 17, 27
6.2--1, 3, 5, 9, 13
6.3--1, 27, 31