Syllabus: MATH 341, Spring 2014

Instructor: Brian R. Hunt, `bhunt@math.umd.edu`, x55108   Section Number: 0201
Office Hours: MW 1:15-1:45, Th 11-12, F 10-11, MTH 4408   Class Time: MWF12-1:15
Class Web Page: `http://terpconnect.umd.edu/~bhunt/341/`   Classroom: MTH 1308

Information on the class web page supersedes any information on this sheet.

Text

Martin Braun, *Differential Equations and Their Applications: An Introduction to Applied Mathematics*, **4th edition**, ISBN 978-0-387-97894-9.

Course Description

This class will cover all 6 chapters of Braun's book, which includes the material done in MATH 246 (Ordinary Differential Equations), some additional material on differential equations, and some related material from MATH 240 (Linear Algebra). *This class will be intensive*; the material in this 4 credit course represents at least 5 credits worth of material in non-honors courses, and we will cover it in greater depth than those courses do.

Policies and Procedures

Office Hours. Students in my undergraduate classes have priority during my office hours. If you find me talking to someone else when you come, please knock and let me know you are there. You are also welcome to call me during an office hour if you cannot come in person. Email is fine for logistical matters, especially if you need to miss class, but mathematical questions are better addressed in person or by phone.

Homework and Quizzes. Homework will be assigned weekly but not collected. Instead, on the due dates we will have a brief quiz (closed book, closed notes) with problems selected from the assigned homework. Your job each week is to learn how to do the homework problems, and you are encouraged to consult with each other and any other available resources to solve the problems. Homework problems will not be announced in class; they will be posted on the class web site about one week prior to the due date.

Computer Assignments. Computer assignments involving MATLAB will be given on an occasional basis. On the computer assignments, you may work alone or in a team of 2 people; each team will turn in a single printed report, and each member of the team will receive the same grade for the assignment.

Academic Integrity. You should be familiar with the campus Code of Academic Integrity; see the STUDENTS menu at:

> http://studenthonorcouncil.umd.edu

In accordance, you should write by hand on every examination and computer assignment the following Honor Pledge and sign your name underneath.

> I pledge on my honor that I have not given or received any unauthorized assistance on this examination (or assignment).

Collaboration of all kinds is allowed and encouraged on homework from the text. For computer assignments, you may receive assistance with using MATLAB, but otherwise no help from people outside your team. Of course, no collaboration is allowed on quizzes and examinations. No books, notes, or any other information-storing device except your brain may be used on quizzes; however, examinations will be open book, open notes.

Exam Schedule and Final Grade. Projected examination dates and the recipe for your final grade are as follows. Midterm exam dates might end up being one class later, for example due to a snow closure.

Quizzes:		10%
Computer assignments:		10%
1st midterm examination	Friday, March 7	22.5%
2nd midterm examination	Wednesday, April 23	22.5%
Final examination	Tuesday, May 20 (8:00-10:00am)	35%

Your 3 lowest quiz scores will be dropped, and there will be no make-up quizzes. Absence from an examination will be excused only in accordance with campus policy; see:

> http://www.testudo.umd.edu/soc/atedasse.html

The reason for absence must be unavoidable, documented, and reported to me as early as possible. Students with disabilities that may require accommodation should inform me now.