

Syllabus MA341: Differential Equations

Information on the class web page supersedes any information on this sheet:
<http://www.math.umd.edu/~bonito/MTH341.html>

Instructor

ANDREA BONITO, Office: MTH 4104, Office Hours: Tu and We 11:00 - 12:00 p.m.,
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Textbooks

- [1] Martin Braun, *Differential Equation and Their Applications: An Introduction to Applied Mathematics*, 4th edition. (Main textbook.)
- [2] B. R. Hunt, R. L. Lipsman, J. E. Osborn, J. M. Rosenberg et al., *Differential Equations with MATLAB*, 2nd edition. (Computational supplement.)

Course Description

This class will cover the material from MATH 246 (Differential Equations) and eventually topics from MATH 240 (Linear Algebra) not covered in MATH 340. Our main goal is to complete Braun's book [1].

Homework and Quizzes

Homework will be assigned weekly every Friday and collected every next Thursday. Homework problems will not be announced in class; they will be posted on the class web site one week prior to the due date. In addition to that, there will be a 30-minute quiz about every three weeks. Quizzes will be announced the class before.

The policy concerning late homework is as follows:

Following Friday (one day late)	20 % off
Following Tuesday (five days late)	50 % off
More than five days late	not accepted anymore.

Grading Policy

The final grade G will be determined using the following formula:

$$G = 0.25 \times E_1 + 0.25 \times E_2 + 0.30 \times F + 0.2 \times \max(Q, H),$$

where

Note	Type	Date
E ₁	Exam 1	~ March 15th
E ₂	Exam 2	~ May 3rd
F	Final	May 17th (to be confirmed)
Q	Quizzes (mean)	~ every three weeks
H	Homeworks (mean)	every week

Make-up

Make-up examinations will be given *only* in the case of an absence caused by illness, religious observance, participation in a University activity at the request of the University authorities, or compelling circumstances beyond the students' control. Convincing documentation such as a doctor's note will be required. If possible, an absence should be arranged before the exam.