

Math 256, Introduction to Differential Equations, Fall 2006

Class Time: MTuWF 12-12:50p.m. in 106 Deady Hall
Instructor: Dr. Marcin Bownik
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Office: 334 Fenton
Office Phone: 346-5622
Office Hours: 1-2p.m. Tue. and Wed., 10-11a.m. Fri., or by appointment
Textbook: *Elementary Differential Equations*,
by W. E. Boyce and R. C. DiPrima, 8th ed., John Wiley & Sons

1. **Background and Goals.** This course introduces students to the subject of differential equations. The theory of differential equations developed together with other mathematical tools such as calculus is applied to everyday problems. Topics include first order and higher order differential equations, linear equations and their methods of solving, and systems of first order linear equations. The course covers most of Chapters 1–4 and 7 of Boyce and DiPrima.
2. **Exams.** There will be two midterm in-class exams on Wed. Oct. 18 and Wed. Nov. 8, and a final exam on Fri. Dec. 8, 10:15a.m.–12:15p.m.
3. **Homework.** Homework problems will be assigned regularly and be due in class on Wednesday on the material of the previous week. No late homework will be accepted.
4. **Grading.** The grading distribution will be as follows:

Homework:	20%
Each of the Midterm Exams:	20%
Final Exam:	40%