

**Time and Place:** TR 3:30-4:45 in DuSable Hall 302

**Web page:** <http://www.math.niu.edu/~ammar/m336/>

**Instructor:** Professor Greg Ammar

**Home page:** <http://www.math.niu.edu/~ammar/>

**Office:** Watson Hall 373

**Office Hours:** TR 2:00–3:00, W 1:30–3:00,

**Phone:** 753–6798

and by appointment.

**E-mail:** [ammar@math.niu.edu](mailto:ammar@math.niu.edu)

**Text:** C.H. Edwards, Jr. and D.E. Penney, Elementary Differential Equations, Sixth Edition, Pearson Prentice Hall, 2008.

**Prerequisite:** MATH 230 (Calculus II).

**Grading System:** There will be a total of 600 points for the course assigned as follows:

Three In-Class Exams:	100 points each
Quizzes and Homework	100 points
Comprehensive Final Examination	200 points

The **departmental final exam** will be held on **Tuesday, May 8, 12:00–1:50 p.m.**

### Tentative Schedule

WEEK	SECTIONS	WEEK	SECTIONS	WEEK	SECTIONS
1	1.1, 1.2, 1.4	6	6.1, 6.2, 6.3	11	4.1, 4.2
2	1.4, 1.3, 1.5	7	2.1, 2.2	12	4.3, 4.4
3	1.5, 1.6	8	2.3, 2.5	13	4.5, Exam 3(?)
4	1.6, Exam 1(?)	9	2.5, Exam 2(?)	14	5.1, 5.2
5	1.7, 1.8	10	2.4, 2.6	15	5.3, Review

- The order in which the sections are covered, the weeks in which they are covered, and the dates of the in-class tests are all subject to change. Any such change will be announced in class.

**Academic Conduct:** Academic honesty and mutual respect (student with student and instructor with student) are expected in this course. Mutual respect means being on time for class and not leaving early, being prepared to give full attention to class work, not reading newspapers or other material in class, not using cell phones or pagers during class time, and not looking at another student's work during exams. Academic misconduct, as defined by the Student Judicial Code, will not be treated lightly.

**CAAR Statement:** If you have specific physical, psychiatric, or learning disabilities and require accommodations, please let your instructor know early in the semester so that your learning needs may be appropriately met. You will need to provide documentation of your disability to the CAAR (Center for Access Ability Resources) Office located in the Health Services Building, 4th floor.

Assigned homework problems for each section we will cover are listed below. These are subject to change; any changes to the assigned problems will be announced in class. Homework will usually not be collected; homework that will be collected will be announced in class in advance.

Quizzes, mostly taken directly from the assigned homework problems, will be given in class. Quizzes will not necessarily be announced in advance. There will be no makeups of quizzes, but your lowest two quiz scores will not be included in the final grade calculation.

**HOMEWORK ASSIGNMENTS:**

Section	Problems
1.1:	8, 15, 19, 24, 35, 39, 43, 46.
1.2:	5, 9, 25, 30, 33, 39.
1.4:	9, 11, 15, 17, 23, 26, 27, 29, 35, 43, 46.
1.3:	13, 17, 18, 27, 29.
1.5:	5, 9, 15, 17, 21, 23, 25, 33, 36, 37, 38.
1.6:	3, 9, 13, 18, 19, 23, 27, 33, 35, 36, 38.
1.7:	6, 7, 8, 23, 30.
1.8:	2, 3, 4, 9, 10, 15.
6.1:	5, 6, 10.
6.2:	5, 6, 10.
6.3:	5, 6, 10.
2.1:	7, 11, 13, 17, 19, 20, 22, 24, 29, 31, 32.
2.2:	2, 4, 6, 9, 11, 15, 17, 22, 24.
2.3:	1, 2, 4, 5, 9, 13, 15, 22, 25, 28, 32, 34.
2.5:	5, 9, 13, 21, 23, 26, 32, 34, 35, 38, 39, 49, 51, 54, 55, 58, 62.
2.4:	2, 4, 15, 17, 18, 20.
2.6:	1, 6, 8, 11, 19, 24.
4.1:	2, 8, 9, 13, 16, 19, 20, 26, 28, 30, 32.
4.2:	3, 6, 8, 18, 20, 22.
4.3:	1, 3, 6, 8, 12, 14, 18, 27, 29, 38.
4.4:	1, 2, 3, 6, 8, 11.
4.5:	1, 3, 6, 12, 14, 20, 31, 35.
5.1:	1, 2, 6, 8, 14, 18.
5.2:	1, 2, 4, 8, 11, 30.
5.3:	3, 4, 6, 11, 14, 18, 21, 25.