

Time and Place: MWF 1:00–1:50 pm in DuSable Hall 428

Web page: <http://www.math.niu.edu/courses/math360/>

Instructor: Maya Mincheva **Home page:** <http://www.math.niu.edu/~mincheva/>

Office: Watson Hall 340 **Office Hours:** MW 11–noon,

Phone: 753–6741 F 2:00–3:00,

E-mail: mincheva@math.niu.edu and by appointment.

Text: First Course in Mathematical Modeling, by Giordano and Weir, 4th ed.

Prerequisite: MATH 230 (Calculus II).

Grading System: There will be a total of 1100 points for the course assigned as follows:

2 in-class exams:	100 points each
Homework	180 points
5 Projects	500 points
1 Project presentation	20 points
Comprehensive final exam	200 points

The **departmental final exam** will be held on **Monday, May 7, 4–5:50 p.m.**

Tentative Schedule

WEEK	SECTIONS	WEEK	SECTIONS	WEEK	SECTIONS
1	Sample Project	6	1.4, 3.1	11	11.4, Project 4
2	Sample Project, 2.1	7	3.2, 3.3, Project 2	12	12.1, 12.2
3	2.2, Computer Orientation	8	9.1, 9.2, Exam 1	13	12.2, 12.3, Exam 2
4	2.3, Project 1	9	9.3, 9.4, Project 3	14	7.1, 7.2
5	1.2, 1.3	10	11.6, 11.1, 11.2	15	Project 5, 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.
- **Holidays:** No classes on Monday, January 16 (MLK birthday), March 12–March 16 (spring break), and Friday, May 4 (reading day).

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.

Assigned problems. Homework problems will be assigned and collected in class. **No late homework will be accepted.**

Exams. There will be two midterm exams based on the material taught in class and the homework. **No make-up midterms will be given.**

Projects. Students have to complete five projects during this course. Each project should be considered a major writing assignment, and each counts as much as an hour exam. We will provide prompts and questions but your papers should be understandable to a layperson. In particular the paper should have insightful introduction and conclusion sections. Each project report is to be printed and appropriately stapled. **A portion of the project grade (20 points) will be based on the quality of the writing, including grammar and spelling; neatness counts as well.** If you have difficulty with the writing of project reports, you should take advantage of the University Writing Center: <http://www.niu.edu/uwc/>

Technology. Students will be expected to use calculators and computers on a regular basis when preparing project reports and completing other assignments. One class meeting early in the semester will be held in the Stevens Annex computer lab to introduce students to some software tools they can use (spreadsheets, mathematical word-processing, etc.). **Calculators will not be allowed during exams.**

Grading scheme. A is 85%-100%, B is 72%-84%, C is 60%-71% and D is 50%-59%. For your final grade I will take into account class attendance, regular and complete homework and project submission, participation in class and final exam grade.

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.