

MA 351: ELEMENTARY LINEAR ALGEBRA
Spring 2012
Purdue University

- **General Information**

Instructor: Professor Fabrice BAUDOIN
Office: MATH 438
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Office Hours: Monday 10:30-11:30am in MATH 438
or Friday 10:30-11:30 am in MATH 438
Textbook: Bretscher , Otto. Linear Algebra
with Applications. Fourth Edition.

- **Grades.** Your semester grade is based on a total of 500 points distributed as follows. Homework count 100 points. There will be two mid-term exams which count 100 points each and final exam which counts 200 points.
- **Homework.** Weekly homework assignments will be due. Selected portions of the assignments will be graded. You are encouraged to discuss the assignments with other students but you must write up your homework independently. Your homework must reflect YOUR understanding of the material. Late homeworks will not be accepted.
- **Outline of the course** The number of lectures spent on each chapter (listed in parentheses) is only given as an indication.
 - **Chapter 1:** Linear equations (4-5)
 - **Chapter 2:** Linear transformations (7-8)
 - **Chapter 3:** Subspaces (7-8)
 - **Chapter 4:** Vector spaces (4-5)
 - **Chapter 6:** Determinants (5-6)
 - **Chapter 7.1 to 7.4** Eigenvalues and eigenvectors (4-5)

If there's extra time, other sections of the book might be covered (7.5, 7.6 and 5.1). This is a slow pace which allows time for solving exercises close to homeworks problems during the lecture.