MATH 417 Sections 3 and 4, Fall 2014: Matrix Algebra

Time and Location:

**Section 3:** Mo We Fr 12:00-1:00 PM, location 3333 MH.
**Section 4:** Mo We Fr 1:00-2:00 PM, location 1427 MH.

**Instructor:** Liliana Borcea
- Office: 3864 EH, Phone: 734-647-6579
- Email: borcea@umich.edu, webpage: www-personal.umich.edu/~borcea

**Office Hours** held in 3864 EH: Mo, We, Fr 2:00pm-3:00pm and by appointment.

**Textbook:** “Linear algebra with applications” by Otto Bretscher, Fifth edition, Prentice Hall.

**Description:** Many problems arising in science and engineering involve systems of linear equations. A systematic way of solving such equations is by using matrices, which are arrays of numbers. The course is an introduction to the properties of matrices. The emphasis is on concepts and problem solving techniques, but we shall also discuss some of the underlying theory. We shall cover chapters 1-6 of the text and half of chapter 7.

**Grade:** Is based on homework (30%), two midterm exams (20% each) and the final exam (30%).
- Homework assignments will be posted on the course webpage. There is a link to it on my homepage. They will be posted approximately one week before the due date.
- Homework assignments are due in class, at the beginning of class. If you cannot come to class, the homework is due in my office by 11:30AM of the due date.

Late homework will be penalized by 25% of the grade unless you have the instructor’s permission for a late submission. This permission must be granted before the homework is due. Homeworks that are late by more than a week cannot be accepted.

**Exam schedule**
- The first midterm is on Wednesday October 8, 2014, in the regular class period and classroom.
- The second midterm is on Wednesday November 12, 2014, in the regular class period and classroom.
- The final exam is on Tuesday December 16, 2014, 4:00PM-6:00PM in CHEM1400

I allow one letter size, one-sided page “cheat sheet” in each exam. Calculators will not be needed. Make-up exams will be available only to students who have a documented serious emergency or a conflict with another exam.

I encourage you to complete the on-line form at http://instruct.math.lsa.umich.edu/ It allows the Mathematics department to collect information about the students that take Math courses, and it gives me useful information about your academic background.