

MAT 175- Elementary Linear Algebra
Fall 2009

- **Lectures:** MWF 12:00PM-1:10PM, STV 308.
- **Instructor:** Gaywalee Yamskulna
- **Office & Telephone:** STV 106C, 438-7989.
- **Email:** gyamsku@ilstu.edu.
- **Office Hours:** Monday 2:00PM-3:00PM, Wednesday 1:30PM-3:00PM, Thursday 10:00AM-11:00AM, and by appointment.
- **Course Web Site:** <http://lilt.ilstu.edu/gyamsku/mat175-fall2009.htm>.
- **Textbooks:**
 - Required: *Elementary Linear Algebra: Matrix Approach 2e* by Spence, Insel, and Friedberg.
 - Recommended: *Student Solution Manual for Elementary Linear Algebra Second Edition* by Spence, Insel, and Friedberg.
- **Prerequisites:** C or better in MAT 146.
- **Course Outline:** I intend to cover the material in Sections 1.1-1.7, 2.1, 2.3, 2.4, 2.6, 2.7, 3.1-3.3, 4.1-4.5, 5.1-5.3 and 6.1-6.6.
- **Course Content:** We will study matrices, vectors, systems of linear equations, linear transformations, determinants, subspaces, basis, eigenvalues, eigenvectors, diagonalization, and orthogonality.
- **Quizzes(20%):** We will have a take home quiz every week. The quizzes will be given out each Wednesday and collected at the beginning of each Friday's class. The quiz will be given based on the previous WRFM lecture material and the homework assignments. No make-up quizzes will be given unless you have a unreasonable explanation for being unable to complete it
- **Exam 1 (25%):** we will have an exam 1 in class on Friday, 25 September 2009.
- **Exam 2 (25%):** we will have an exam 2 in class on Friday, 6 November 2009.
- **Final (30%):** We will have a final exam on Tuesday, 8 December 2009 from 1:00 pm to 3:40 pm. The exam will be comprehensive, covering the whole course.

- **Grading Scale:** Grades for the course are based on the following percentages:
A [90,100] B [80,90) C [70,80) D [60,70) F [0,60).
- **Homework:** For each section of material covered there will be an assignment of problems from the text book. Solutions will not be collected, but will be discussed at the beginning of each class according to the interests of the students. You are expected to do all homework problems assigned. While attempts to solve homework problem will not directly affect grading, they provide the best way to learn the material and to prepare for exams.
- **Withdrawal:** The last day to withdraw and receive a grade of WX is 9 October 2009.
- **Disability concerns:** Any student needing to arrange a reasonable accommodation for a documented disability should contact Disability Concerns at 350 Fell Hall, 438-5853(voice), 438-8620(TDD).
- **Warning:** Plagiarism and cheating are serious offenses. Penalties can range from a minimum of a zero grade on the invalid instrument to expulsion from the University.