

**MAT 175 Section 02-Elementary Linear Algebra
Spring 2010**

- **Lectures:** MWRF 10:00AM-10:50AM, STV 121.
- **Instructor:** Gaywalee Yamskulna
- **Office & Telephone:** STV 337, 438-7989.
- **Email:** gyamsku@ilstu.edu.
- **Office Hours:** MWR 12:30PM-1:30PM and by appointment.
- **Course Web Site:** <http://lilt.ilstu.edu/gyamsku/mat175-spring2010.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 reasonable explanation for being unable to complete it
- **Exam 1 (25%):** we will have an exam 1 in class on Friday, 26 February 2010.
- **Exam 2 (25%):** we will have an exam 2 in class on Friday, 23 April 2010.
- **Final (30%):** We will have a final exam on Thursday, 6 May from 7:50 am to 10:30 am. 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 5 March 2010.
- **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.
- **Attendance & Policy for Make-up Exams:** Regular attendance is expected. You are responsible for the material covered when you miss a class. A make-up exam can only be granted in the case of a confirmed sickness.
- **Classroom Behavior (From the ISU Faculty Guide):** Students are expected to behave in a manner consistent with being in a professional environment. Open discussion and disagreement are encourage in a respectful manner. Open hostility, rudeness, and incivility are discourage and will result in appropriate action. Mechanical disruptions (cell phones, pagers, electronic toys, music players, etc.) are strongly discouraged.

Students acting in a disruptive or uncivil manner may be dismissed from the class for the remainder of the class period. If necessary, referrals may also be made to Community Rights & Responsibilities for violations of the student code of conduct