

MAT 260-010, Linear Algebra – Fall 2009

MWF 8:00 - 8:50 am (Lytle Hall 225)

Instructor : Yun (Amy) Lu

Office : 162 Lytle Hall

Phone : 3-4402

Email : lu@kutztown.edu

Office Hours : MWF: 9:00am-10:00am, TH: 12:00-1:00pm, and by appointment

Home page : <http://faculty.kutztown.edu/lu/>

Course description : This course gives the student an opportunity to make an in-depth investigation of a specialized area of mathematics which has widespread practical applications in the arts and sciences but still allows work with abstract concepts. Topics include the study of the properties of vector spaces; matrix theory with applications using systems of equations and determinants; linear transformations and invariants under such mappings. We will cover most of chapters 1, 2, 3, 4, 5 and 6.

Prerequisites : Completion of MAT 224 with a grade of C or higher.

Textbook : *Elementary Linear Algebra*, 9th edition, by Howard Anton. ISBN-13: 978-0471669609

Academic Dishonesty : You will receive a zero on the quiz or exam. There may be other penalties as well depending on the situation.

Grading :

- Final Exam: 25%
- Exams (3): 45%
- Quizzes: 20%
- Assignments & Participation: 10%

Grading Example :

If a student achieves 60% on the Final, 70% on Exams, 80% on Quizzes, and 90% on Assignments & Participation, then his/her overall weighted average grade is $(0.25 * 60\%) + (0.45 * 70\%) + (0.20 * 80\%) + (0.10 * 90\%) = 15\% + 31.5\% + 16\% + 9\% = 71.5\%$.

Final Grade will be determined as follows:

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|--------------------|------------------|------------------|
| • A: 90% – 100%; | B: 80% – 89.99%; | C: 70% – 79.99%; |
| • D: 60% – 69.99%; | F: below 60%. | |

Participation : Attendance at each class meeting is required. Furthermore, I require that you come to class on time, and don't leave until the class is finished. Attendance will be taken WITHOUT prior announcement. You are expected to actively participate in class by contributing to the discussion, asking meaningful questions, making comments, and sharing your ideas with others (In the event that your course grade falls on the borderline between two letter grades, I will use your attendance/participation to determine whether or not to assign the higher grade.)

I have no tolerance for disruptive or inappropriate behavior in class such as constant talking, exceeding an acceptable noise level, sleeping in class, frequently lateness, missing classes, or leaving early etc. **You may end up with a negative score in the Assignments & Participation category.**

Assignments : There are daily assignments, and you are expected to complete all assignment by the beginning of the next class. Some of the work may be collected. I will reserve the beginning of each class to go over any questions you may have.

Exams : There are three in-class written exams and one comprehensive final exam during the semester. All missed exams will be given grades of "0", unless there is a documented significant reason for missing the event. The (tentative) dates are:

- Exam 1: Friday, September 25th, 2009
- Exam 2: Friday, October 23th, 2009
- Exam 3: Friday, November 20th, 2009
- Final Exam: Friday, December 18, 2009

Quizzes : Periodic short quizzes based on assignments will be given throughout the course. The lowest quiz score will be dropped.

Tutoring : If you are having trouble in this course, it is important that you seek help immediately. I would be more than happy to help you during office hours or during another scheduled time. I also encourage you to work together with other students in the class. Please do not hesitate to seek help when you need it!

Miscellaneous :

- All make-up Tests must be completed within seven calendar days of the student return. Otherwise, the student will earn a zero for the assignment.
- All cellular phones, PDAs etc. should be turned off during each class meeting or put on silent mode. They should not be used under any circumstances in class.