

# MAT 121-061, Math for Business and Information Science – Fall 2011

TH 9:30–10:50 am (Beekey 241)

**Instructor** : Yun (Amy) Lu

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**Office Hours** : MWF: 10:00 - 11:00 am, MW: 1:00 - 2:00 pm, or by appointment

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

**Course description** : This course focus on the application of mathematical concepts and methods to problems that arise for students who major in Business or Computer Science. The topics include a review of algebraic concepts and problem solving, systems of linear equations, matrix algebra, linear programming with graphical and simplex method solutions, and probability. We will attempt to cover most sections of chapters 1 - 4, 6 and 7 in the textbook.

**Prerequisites** : MAT 105 or two years of high school algebra.

**Textbook** : *Finite Mathematic for the managerial, life, and social sciences*, Ninth Edition by Tan; Thomson Brooks/Cole (ISBN: 978-0-495-38753-4).

**Calculators** : Texas Instruments TI-84 Plus or Texas Instruments TI-83 Plus is required.

**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:

- 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 posted on the course website. These assignments will not be collected unless otherwise mentioned. However, the quizzes and the exams will mainly based on these assignments. So you are expected to complete all assignment by the beginning of the next class. 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 for MAT 121061 are:

- Exam 1: Thursday, September 22nd, 2011
- Exam 2: Thursday, October 20th, 2011
- Exam 3: Thursday, November 17th, 2011
- Final Exam: TBA

**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 class. Furthermore,

- Tutors are available in the Math Lab located in Beekey 120 on a walk-in basis. The hours are posted on the door of the lab.
- Peer Tutoring is available through the Tutoring Office in Beekey 163 (X 3-4207).

**Special Needs** : If you have already disclosed a disability to the Disability Services Office (215 Stratton Administration Building) and are seeking accommodations, please feel free to speak with me privately so that I may assist you.

**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.