Math 1070 Spring 2009 Mathematics for Business and Economics Majors

Prof. Kristen Sellke Section 1

(These will change weekly, please keep an eye on Husky CT)

email: sellke@math.uconn.edu

Office MSB 233

Office hours: TBA

Prof. Amit Savkar Section 2

Tuesday Thursday 12.30pm to 1.45pm PB 36

email: savkar@math.uconn.edu (I **access only this account. Do not send email to the generic university email address!**)

Office MSB 235

Office hours: T**uesday 11.00 am to Noon, 2.15 pm to 3.15 pm, 4.30 pm to 5.30pm**
Thursday 2.30 pm to 5.30pm.

Academic, Exam and Grading Information

Course Policy on Academic Integrity:

A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and
acknowledgment of the work and ideas of others. Misrepresenting someone else's work as one's own is a serious
offense in any academic setting and it will not be condoned.

Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by
the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, examinations and
assessments - whether online or in class); presenting, as one's own, the ideas, words or calculations of another for
academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated;
using unauthorized aids in preparing work for evaluation (e.g. unauthorized formula sheets, unauthorized calculators,
unauthorized programs or formulas loaded into your calculator, etc.); and presenting the same or substantially the
same papers or projects in two or more courses without the explicit permission of the instructors involved

A student who knowingly assists another student in committing an act of academic misconduct shall be equally
accountable for the violation, and shall be subject to the sanctions and other remedies described in The Student Code.

Sanctions shall include, but are not limited to, a letter sent to the Dean of Students of the University; a grade of 0 on the assignment,
quiz or exam; a grade of F for the course.

Grading: There will be two two-hour evening exams during the semester and a two-hour comprehensive final exam.

In calculating student averages, the weights will be:

- Each Midterm Exam 25%
- Webassign Home Work 15%
- Clickers 5%
- Final Exam 30%

There will be no extra credit projects, etc., and no low grades on exams will be dropped or replaced. Grades are not curved in this class.

Computing the grade for the class.

0.25*MT1+0.25*MT2+0.15*HW+0.05*Clickers+0.3*Finals

Basic grade distribution

60.00 - 62.99 D-
63.00 - 66.99 D
67.00 - 69.99 D+

Same for the other letter grades A, B, C.

93.00 and above is A. There is no A plus in the undergraduate classes.
59.99 and below is F

Exam Information

- **Exam 1. Tuesday, February 24 from 6:00pm to 8:00pm Section 1 (Kristen Sellke) Room TLS 154, Section 2 (Amit Savkar) Room ITE C-80**
- **Exam 2. Tuesday April 14 from 6:00pm to 8:00pm Section 1 (Kristen Sellke) Room TLS 154, Section 2 (Amit Savkar) Room ITE C-80**
- **Final examination. Thursday, May 07, 10:30-12:30 PM. This is tentative time. Please check the registrar's office or the math home page for the final exam timings.**

Calculators are required for some of the work of the course. Our textbook has tutorials on using certain graphing calculators to carry out some of the tasks we deal with. But students should be aware that they and not their calculators are being examined during the various tests, and they should not rely on the calculator as a crutch. Please work hard to learn the methods we teach you.

Extra Help and Tutoring

- Free tutoring service is available at the Q Center: http://www.qcenter.uconn.edu
- The Q Center is now also maintaining a list of private tutors for math and other Q courses on the website: http://qcenter.uconn.edu/private.htm

Makeup Policy: Late work will NOT be accepted. If a true emergency arises, and you must miss an exam, you are responsible for notifying me beforehand, supplying the proper documentation, and scheduling a makeup exam. I reserve the right to refuse a makeup exam.

Calculators: The use of a graphics calculator (examples: TI–82, 83, 85 or 86) is required. I will not spend time in class on how to use them, but the book does have some tutorials on using certain graphing calculators to carry out the tasks we are learning. However, most of the time you should be able to work problems without using advanced functions of the calculator. You may use a calculator on your exams, but all work must be shown to receive credit. You are not allowed to use programs or alpha-numeric capabilities on exams.

Q-Center: The Q-Center (Q for Quantitative) operates in conjunction with various departments on campus (e.g., biology, chemistry, economics, mathematics, physics, statistics, and the School of Business) and provides the following resources to help students succeed in their Q-courses:

• Tutoring- on a drop in basis
• Assistance with homework

Students visiting the Q-Center should bring their textbooks, class notes, and calculators. Although we will be using online homework, it is essential that if you go to get help on a problem because your answer is wrong, you must be able to produce a sheet of paper with the problem worked out in an orderly fashion, at least as much as you can do. The tutors cannot help you if they can't see your work. If you are having trouble getting started, then the tutors can help with that, too. The Q-Center offers help at the following locations: Homer Babbidge Library's Learning Resources Center, 1st (Umbrella) floor. The staff is made up of well-trained graduate and undergraduate students who provide a welcoming environment and are interested in helping students achieve in their courses. You can find out more about this center by visiting the following website: http://qcenter.uconn.edu/

Final Exam Policy: The following is a message from the Dean of Students: "Attention Students. Final exam week for Fall 2008 takes place from Monday, December 8, through Saturday, December 13. Students are required to be available for their exam during that time. Students must visit the Dean of Students Office if they cannot make their exam. The DOS will give the student his or her instructions thereafter. Please note: vacations, previously purchased tickets or reservations, weddings (unless part of the wedding party), and other large or small scale social events, are not viable excuses for missing a final exam. Please contact the Dean of Students office with any questions. Thank you in advance for your cooperation."

Additional Resources:

Some of the non-academic resources at UConn include the following:

Alcohol and Other Drugs Services: (860) 486 9431 www.aod.uconn.edu

Counseling and Mental Health Services (860) 486 4705 www.cmhs.uconn.edu

Dean of Students Office (860) 486 3426 www.dos.uconn.edu

Academic Integrity: It is each student's responsibility to become familiar with the University policies (found at http://www.dosa.uconn.edu/student_code.html) regarding academic integrity. These policies will be enforced in all areas of the course and can range from loss of credit for the work involved in academic dishonesty to a grade of F for the course.

Text Book Title: Applied Finite Mathematics

Authors: Tomastik and Epstein.

Edition: 2008

Publisher: Cengage Learning.

ISBN: 0495839604.

Math 1070 Spring 2009 Tentative Syllabus and Outline

20-Jan-09	1.1	Mathematical Models
22-Jan-09	1.2, 1.3	Systems of Linear Equations Method of Least Square
27-Jan-09	3.1, 3.2	Linear Programming Problems, Graphing Linear Inequalities
29-Jan-09	3.2, 3.3	Graphical Solutions of Linear Prog Problems
03-Feb-09	4.1	Introduction to sets
05-Feb-09	4.2	The number of elements in a set
10-Feb-09	4.3	Sample spaces and Events
12-Feb-09	4.4	Basics of Probability
17-Feb-09	5.1	Multiplication Principles and Permutations
19-Feb-09	5.2	Combinations
24-Feb-09	Midterm 1	Review
26-Feb-09	4.5	Rules for Probability
03-Mar-09	4.6	Conditional Probability
05-Mar-09	4.7	Bayes' Theorem
10-Mar-09		Spring Break
12-Mar-09		Spring Break
17-Mar-09	5.3	Probability Applications of Counting Principles
19-Mar-09	5.4	Bernouill's Trials

24-Mar-09	6.1	Random Variables and Histograms
26-Mar-09	6.2	Measures of Central Tendency
31-Mar-09	6.3	Measures of Spread
02-Apr-09	6.4	Normal Distribution
07-Apr-09	F1, F2	Simple Interest and Discount Compound Interest
09-Apr-09	F3	Annuities
14-Apr-09	Midterm 2	Review
16-Apr-09	2.1, 2.2	Introduction to Matrices and Matrix Multiplication
21-Apr-09	1.3	Gauss Elimination for System of linear Equations
23-Apr-09	1.4	System of equations with Non- Unique Solutions
28-Apr-09	2.3	Inverse of a square Matrix
30-Apr-09	2.4	Additional Matrix Application
06-May-09		Finals