

**Math 130.009 Fall 2007**  
**Finite Mathematics**

**Instructor:** Dr. Kathy Temple

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**Office Hours:** MWF 9-9:50AM, TTh 11-11:50AM, and by appointment.

**Course Goals:** This course is designed to help students develop critical thinking skills, master the basic principles of counting and probabilities, and apply these techniques to quantitative decisions.

**Course Description:** This course meets the General Education “Basic Skills (D)” requirement and prepares students for introductory statistics courses in various departments. It covers the language of sets, counting procedures, introductory probability, and introductory descriptive statistics.

**Required Text:** Bill Owen and Fred Cutlip, *Finite Mathematics: Introductory Probability and Statistics*, Thomson Learning. We will be covering chapters 6, 7, 8, and 9.

**Calculator:** You are required to have a TI-83, TI-84, or an equivalent calculator. The TI-83 and 84 have specialized probability and statistical functions that we will be using. I will use and demonstrate a TI-83+ in class. If you have questions about whether your calculator is suitable, please ask me.

**Evaluation and Grading:** Grades will consist of four components: weekly quizzes (15%), homework (15%), two midterm exams (20% each), and a comprehensive final exam (30%). Tentative exam dates are Tuesday, October 16 and Tuesday, November 6. The final exam will be given on Tuesday, December 4, from 12-2PM. Grades will be assigned according to the following scale:

		A	93-100%	A-	90-92.9%
B+	87-89.9%	B	83-86.9%	B-	80-82.9%
C+	77-79.9%	C	73-76.9%	C-	70-72.9%
D+	67-69.9%	D	63-66.9%	D-	60-62.9%
		F	59.9%		and below

**General Course Policies:** Daily attendance is expected and considered necessary for success. It is your responsibility to find out what was covered on days you were absent. Please bring your calculator to each class meeting. You are responsible for any announcements made in class regarding homework, exams, and quizzes. Handouts from class will be posted on my webpage for the course (go to my personal homepage, given above, and follow the links for “Teaching” and then “130” listed under the current quarter). In-class worksheets will be given from time to time and will be factored into your quiz grade (see below).

All work handed in for the course must be written neatly, legibly, clearly, using correct mathematical notation, and with sufficient explanation. A good rule of thumb is to write your solution so that a classmate who knows roughly what’s going on in the course but doesn’t know how to do this particular problem can understand your solution. As a side benefit, this makes it much more likely that you will be able to understand your solution when you go back to study for exams or the final! The bottom line: for any written work handed in for the course, including homework, quizzes, and exams, *you must show all pertinent work*.

Students with disabilities who require accommodations are encouraged to contact me as soon as possible.

**Homework:** Homework will be assigned at the end of each class. It will be collected on Wednesdays at the beginning of class. The problems to be handed in will be those assigned the previous Tuesday through the current Monday. Homework must be written according to the guidelines above on clean-edged paper (no notebook fringes) and *stapled*. Late homework will not be accepted, however, the lowest homework score will be dropped. If you must miss class on a Wednesday, you are encouraged to turn your homework in to me early. Homework will be graded on completion only, so it is to your advantage to attempt every problem. To receive credit, you must also show your work (e.g. simply copying the answers from the back of the book is not sufficient). To aid the battle against procrastination, questions about the previous day's homework, *and only the previous day's homework*, will be taken at the beginning of class each day. Of course, I will happily take any and all homework questions during office hours. Keeping up with the homework is one of the best things you can do to help yourself succeed in this course!

**Quizzes:** Quizzes will be given every Wednesday at the beginning of class, except for weeks with an exam. The problems will be taken from or be very similar to homework problems. Quizzes will cover the material from the previous Tuesday through that Monday. No make-up quizzes will be given, but to allow for unavoidable absences the lowest quiz score will be dropped. If you must miss a Wednesday class due to a school activity (e.g. class field trip or university-sponsored athletic event), that quiz can be excused if this is requested in advance and you supply me with a note from the instructor or advisor. Quizzes will be excused only for school-related activities.

For every day that you are present in class when a worksheet is given and are making a sincere effort on the worksheet (not making a sincere effort includes working on material for other courses, napping, chatting, or leaving early, for instance), a check mark will be recorded. At the end of the quarter your total number of check marks will be divided by the total possible number minus one (to allow for unavoidable absences) and this percentage will count as one quiz score in your final quiz grade. Worksheets may be excused for school activities in the same manner as quizzes. The worksheet score counts as any other quiz score in your grade and, in particular, will be dropped if it is the lowest score.

There may also be one or two short projects given during the course of the quarter. These will count as two quizzes in your quiz grade, and *cannot be dropped*. More details on these will be given as they arise.

**Exams:** Any changes to the tentative exam dates will be announced ahead of time in class. Make-up exams must be arranged ahead of time unless you can document an unexpected circumstance beyond your control that prevented you from taking the exam. For instance, in the case of illness, a doctor's note will be required. All make-up exams must be requested as early as possible. Exams requested more than 24 hours after the scheduled exam will be given only in extreme extenuating circumstances (e.g. hospitalization, jail . . .)