

Math 130.A01 Winter 2012
Online Finite Mathematics

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Department: Mathematics
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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 which I will demonstrate 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 (10%), homework and worksheets (10%), two projects (5% each), two midterm exams (20% each), and a comprehensive final exam (30%). Tentative exam dates are Wednesday, February 8 and Wednesday, March 7. The final exam will be given on Tuesday, March 13. Grades will be assigned according to the following scale:

	A	93-100%	A-	90-92.99%	
B+	87-89.99%	B	83-86.99%	B-	80-82.99%
C+	77-79.99%	C	73-76.99%	C-	70-72.99%
D+	67-69.99%	D	63-66.99%	D-	60-62.99%
	F	59.99%			and below

General Course Policies: Daily attendance is expected and considered necessary for success. By this I mean that you need to check you email daily, go to Blackboard daily, and complete assignments and other activities daily (at least 5 days a week). It is your responsibility to stay current and complete your work on time. You are responsible for any announcements made by email regarding assignments, quizzes, and exams. Any needed handouts will be posted on Blackboard.

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, worksheets, projects, quizzes, and exams, *you must show all pertinent work*.

Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their “Confirmation of Eligibility for Academic Adjustments” from the Center for

Disability Services as soon as possible so we can discuss how the approved adjustments will be implemented in class. Students without this form should contact the Center for Disability Services, Bouillon 205 or dssreceipt@cwu.edu or 963-2171.

I reserve the right to change the policies contained in this syllabus as dictated by developments during the quarter.

Attendance: If you have perfect attendance and have completed all assignments on time, then you will be eligible to retake a quiz for a better grade. Your attendance is recorded by the returned receipts that I receive when you open your email (which is checked daily) and by login records that are kept by Blackboard when you are working there. Consideration will be given for excused absences, that are reported promptly, which are beyond your control and documented in writing. This does NOT include computer or Internet problems, so you should have backup plans such as alternate locations that you can use, if needed.

Homework: Homework will be assigned regularly from problems in the textbook and additional worksheets that I will provide. It will be due on Wednesdays. 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. Late homework will not be accepted, however, the lowest homework score will be dropped. If you cannot be online on a Wednesday, you are encouraged to turn in your homework 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). Of course, I will happily take any and all homework questions during online office hours. Keeping up with the homework is one of the best things you can do to help yourself succeed in this course! You may be thinking,

"How do I turn in my work?" You have choices. Typing on a Word Document is an option that may work well for some problems, but not for others, especially diagrams and graphs. You can scan your work or use a camera phone and take a picture of your work. Just be sure that you can read your work on a scan or picture before you send it. I will set up a digital drop box for your work so we do not have to depend on email. Then you and I will both know the work was submitted on time. More about that later.

Quizzes: Quizzes will be given every Wednesday unless there is an exam and should take no longer than 20-30 minutes. The problems will be taken from or be very similar to the homework problems that are due that day. No make-up quizzes will be given, but to allow for unavoidable absences or mishaps the lowest quiz score will be dropped. If you qualify for a retake, you will still have that option.

Projects: There will be two short projects given during the course of the quarter. More details on these will be given as they are assigned, but I expect the first project to be due sometime around the first mid-term exam and the second project to be due sometime around the second mid-term exam. You can team up with other members in the class to work on these, as will be explained when the time comes.

Exams: Any changes to the tentative exam dates will be announced ahead of time. 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. 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 . . .). When a make-up exam cannot be taken in a timely manner, before the exams are returned to the class, I reserve the right to instead replace that portion of the course grade with the final exam grade.