Math 130 Spring 2014

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Finite Mathematics

Office Hours: 9-9:50 MTWTHF , 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*, Hayden McNeil. 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 (30%), homework (10%), Three exams (15% each), and a comprehensive final exam (15%). Grades will be assigned according to the following scale:

		A	93-100%	A-	90-
B+	87-	B	83-	B-	80-
C+	77-	C	73-	C-	70-
D+	67-	D	63-	D-	60-
		F	59.99%	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.

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 quizzes, projects, 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 dssrecept@cwu.edu or 963-2171.

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

Homework: There will be two types of homework for this class. The first type consists of problems from the book and will be assigned at the end of each class. You are strongly encouraged to do these problems before attempting the other type of homework. These book problems will not be handed in or graded.

The second type of homework will consist of weekly assignments using the online homework system
WebWork. Assignments are designed to cover the material from the previous Monday through the current Friday. These assignments must be completed by 3pm on Tuesday, with the exception of exam weeks. For exam weeks, these assignments will be due at 1PM on the

day of the exam. I will tell you at the end of class each day which WebWork problems we have covered that day. WebWork can be accessed from any computer with an internet connection and a web browser. A link to the login page for the course is posted below. Be sure to use this link (not Google)! WebWork checks answers and provides immediate feedback, so you can be sure that you are completing problems correctly. In general, you will have unlimited attempts at a particular problem; the exception is if a problem is multiple-choice, in which case you will have three attempts. Many of the problems contain randomly generated numbers, so your problem may not be identical to a classmate's. WebWork scores the homework sets based on the number of problems completed correctly by the time the assignment is due.
Late submissions will not be accepted, however, the lowest homework score will be dropped.

webwork.math.cwu.edu/webwork2/Math130Kreppein/

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. I will not work problems off the WebWork assignments since many students will see slightly different versions of the problem. If you are stuck on a WebWork problem, see if you can find a similar book problem and give that a try. If I am asked about a WebWork problem in class I will suggest we look at a similar problem from the book. Of course, I will happily take any and all homework questions (including about WebWork problems) 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 most Fridays 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 Monday through that Thursday. 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 Friday 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.

Projects: There will be at least one project during this course. The project(s) will be included in your quiz grade and will be worth two quizzes. The project will be given between the first and second exam.

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 (please note that Student Health will provide such notes for students, and that charges for Student Health are included in student fees). 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, typically before exams are returned to the class, I reserve the right to instead replace that portion of the course grade with the final exam grade. The first exam will be 4/25/2014, the second exam will be 5/9/2014, and the third exam will be 5/30/2014.