MATH 130-003 FINITE MATHEMATICS
SPRING 2017 (Mar 28-Jun 2)
MTWThF 11:00 - 11:50 am in HERTZ 122

Instructor: Dr. Sooie-Hoe Loke   Office: Bouillon 107B
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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.

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.

Course Assessment: Your overall grade will be determined by the following:

- Homework (15%)
- Quizzes (15%)
- Three in-class exams (15% each); tentative dates: Apr 18 (Tue), May 9 (Tue), and May 26 (Fri)
- Comprehensive final exam (25%); given Friday, June 9, from 8-10 am

Calculator: A scientific calculator is required. You are not allowed to use other electronic devices (cellphone, etc.) as a calculator. If you have questions about whether your calculator is suitable, please ask me.

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 section. 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 consists of weekly assignments using the online homework system WebWork. WebWork can be accessed from any computer with internet connection and a web browser. The link to the login page for the course is http://webwork.math.cwu.edu/webwork2/Math130Loke/. To login, use your CWU username (all lowercase) and the password is your student ID number. If you can't login, please email me.

These WebWork assignments must be completed by 11am on Tuesdays, with possible exceptions during exam weeks or holidays. 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. Late submissions will not be accepted, however, the lowest homework score will be dropped.

Quizzes: Quizzes will be given every Tuesday except for the first and last weeks. The problems will be taken from or be very similar to homework problems. No make-up quizzes will be given, but to allow for unavoidable absences the lowest quiz score will be dropped.

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 two (to allow for unavoidable absences) and this percentage will count as one quiz score in your final quiz grade.

Exams: Any changes to the tentative exam schedule will be announced in advance. Make-up arrangements must be made at least one business day prior to an exam unless you can document an unexpected circumstance beyond your control that prevented you from taking the exam. Please note that the final exam schedule is set by the registrar's office and cannot be changed.

PALs: Peer-Assisted Labs are a place for students to stop by and study, get help with homework, connect with and form study groups, and get FREE tutoring from trained peer-leaders. PALs are available to any student currently enrolled at CWU. For more information, see http://www.cwu.edu/learning-commons/supplemental-instruction.

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 Canvas. In-class worksheets will be given from time to time and will be factored into your quiz grade.

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 and exams, you must show all pertinent work.

Other Information: Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with the instructor. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963-2214 or email ds@cwu.edu for more information.

I reserve the right to change the policies contained in this syllabus as dictated by developments during the quarter. Changes will be announced in class and on Canvas.