

FINITE MATHEMATICS

Math 130-005, Winter 2016
M-F 11-11:50 AM, Bouillon 111

Instructor: Tyler Suronen

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Office Hours: M-F 9-9:50 AM

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Text: *Finite Mathematics: Introductory Probability and Statistics*, by William B. Owen and Wm. Frederick Cutlip

Course Description: Finite Mathematics is an introductory course in probability and statistics with some basic combinatorics.

Required Materials: The text, a graphing calculator, and internet access for Canvas and WeBWork. TI-83 or TI-84 are recommended and will be what I use in lectures. Other graphing calculator may be used, but I am not familiar with other makes or models and may not be able to help.

webwork.math.cwu.edu/webwork2/Math130Suronen/

Attendance: Daily attendance is not mandatory, but is highly recommended for your success in this course. Please bring your text and calculator to every lecture. If you are absent, you are responsible for obtaining any information or materials presented in lecture. You are welcome to e-mail me to ask what material we cover if you have been absent.

Grade percent breakdown:

- HW 10%
- Quizzes 20%
- Exams 45%
- Final Exam 25%

Grades: You must show all work. Answers without adequate justification will not receive full credit. Any kind of guess-and-check solution or remembering an answer will not suffice. Occasionally, answers without work or explanation will be acceptable (e.g. reading values from a graph). I will attempt to make clear the amount of detail necessary with examples in lectures. Problems will be done by hand unless explicitly stated otherwise. Answers should be presented in exact form unless explicitly stated otherwise.

Your overall grade will be calculated by percentage of completed work with the following cutoffs.

$$90 \leq A$$

$$80 \leq B < 90$$

$$70 \leq C < 80$$

$$60 \leq D < 70$$

$$F < 60$$

Homework: Homework will be assigned frequently in class. Homework is worth 10% of your total grade. The homework will reflect the material covered recently in class. It is expected that you keep up with the homework. You are expected to attempt all problems. Homework will typically be discussed in class on the day it is due. Most homework will be on WeBWork, but there may be additional assignments announced.

Quizzes: We will have a quiz during any week that we do not have an exam. Quizzes will typically be given at the end of the week and regard the most recent material covered in class. Quizzes will be given in 35 minutes. You must be present to take the quiz during the time it is given. **Make-ups for quizzes will not be given. Do not ask.** Your lowest quiz score will be dropped from your grade to account for planned and unplanned absences. All quizzes combined are worth 20% of your grade.

Exams: We will have 3 exams during the quarter and a final exam at the end of the quarter. The 3 exams will each cover roughly 2 weeks of the most recent material. Exams will take 55 minutes. Exams must be taken in class on the date given unless arranged in advance for necessary absence (see Late Work and Make-ups). The three exams together are worth 45% of your grade. My tentative dates for the exams are January 22nd, February 12th, March 4th.

Final Exam: The final will be held on Tuesday March 15th 8:00-10:00 AM in our regular classroom. The final will be two hours long, the material will be comprehensive, and is worth 25% of your grade.

Late work and Make-ups: No late homework will be accepted. Early homework is welcome. In-class quizzes must be taken on the dates they are given. No make-ups will be given for quizzes (but one quiz will be dropped: see Quizzes). Make-ups for exams are not given without good reason (including but not limited to severe illness and work/military requirements). If you need to make-up an exam missed due to medical emergency I require a Doctor's note. In the event of unavoidable work scheduling conflict a note and contact information for your supervisor will be required in advance.

Academic Dishonesty: Cheating will result in failure of the course and may have a larger impact on your standing with the university. Cheating includes copying work, hinting, helping, and using notes/book (when not instructed to do so) on an in-class quiz or exam.

Important Dates:

January 5 First day of classes.

January 11 Add/Drop classes.

January 18 Martin Luther King Jr. Holiday. No classes.

January 22 FIRST EXAM

February 12 SECOND EXAM

February 15 President's Day. No classes.

March 4 THIRD EXAM

March 11 Last day of classes.

March 15 FINAL EXAM

Resources:

1. YOUR INSTRUCTOR: I'm available for additional help 5 days a week during my office hours. During office hours I can help you review material, work on practice problems, answer questions related to homework, etc. If you have questions you don't need to wait for my office hours to ask: you're welcome to e-mail me.

2. YOUR TEXT: The majority of the material in this class is based on the text. I recommend you keep up with the material in the book as we cover it in class. The text also has practice problems and will make a decent study guide.

3. LEARNING COMMONS: Tutoring and additional resources. For more information visit:

www.cwu.edu/learning-commons/university-math-center

and

www.cwu.edu/learning-commons/math-130