

Math 130 Finite Mathematics

Instructor: Danielle Jacobson

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Office Hours: 10-10:50 M-F or by appointment

Required Course Materials

- **Text:** Bill Own and Fred Cutlip, *Finite Mathematics: Introductory Probability and Statistics*, Hayden McNeil. We will be covering Chapters 6,7,8, and 9
- **Calculator:** scientific calculator is advised

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 Goals

This course is designed to help students develop critical thinking skills, think logically, master the basic principles of counting and probability, prepare students for future statistics courses, and prepare students to apply techniques to quantitative decision making.

Grading

Grades will be determined by the following weights:

Class Participation/Attendance 10% Homework 5% Quizzes/Projects 30%

Exams 55%: First exam 11.67%, Second Exam 11.67%, Third Exam 11.67%, Final Exam 20%

Grades will be determined by the following scale (if .5 difference will round up):

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

Grade Updates

Grades can be found under the grade sheet section of Blackboard. I will update grades after exams and quizzes. Your grade will be listed under the last 4 digits of your student ID number.

Attendance

Attendance will account for part of the participation grade. You will begin the course with 50 attendance points. If you miss 4 classes-you lose 5 points, 5 classes- lose 10 points, 6 classes- lose 15 points, etc. If you miss class it is your responsibility to read the notes and find out what was covered or handed out in class. Please note- there are attendance exceptions for good reasons. If you have a significant family/personal emergency I am more than happy to help you. If you have a medical issue I am happy to help you, as long as I receive a Dr.'s note. If you have an athletic or military event addressed with a note from a valid supervisor (coach, commanding officer) I will excuse your absence. Having a Dr.'s appointment during class nearly every week does not count as an exception.

We will do several in class handouts during the quarter. Completion and/or participation in these handouts will be recorded under the participation grade. I may collect these assignments and grade them on accuracy occasionally; this grade will also be included under the participation grade.

Please note that sleeping during class does not count as participating. Nor does working on other assignments when your classmates are doing in class handouts. Thus, point deduction will result in either event.

Exams

There will be three exams given in this course (not including the final). You will get a list of what topics can be expected on the exams and I will give a study day in class before exams where I take any questions you have. Therefore, be sure to ask questions then (or come to my office more than a half an hour before the exam.)

Make-up Exams

Will not be allowed unless there is a valid reason (i.e. emergency room trip, work/military requirements, family death, etc.). With medical emergencies there must be a Dr.'s note. With work/military I will just need a note and contact info for your boss/supervisor. If there is a valid reason you missed, you must notify me of this reason within a day of the missed exam. If you know you are going to miss the exam early on, let me know so we can set up a time for you to take it early.

Homework

You will be assigned homework everyday. I will give you the due dates to these homework assignments in class. If you are unsure of what problems have been assigned, I will post them in the Homework section on Blackboard.

Homework Guidelines

Homework must be neatly done. Please staple your assignments, write your name on your assignments, and label what the assignment is. No fringes on the paper. Indicate where your answer is by putting a box/circle/highlighting around the answer. If the homework does not meet these guidelines, I will not grade it.

Quizzes

We will have a take-home quiz every week that there is not an exam. Each quiz will be due at the beginning of class 2 days after it is assigned (so if assigned on a quiz Wed, it will be due on Friday at the beginning of class). You may work with other students, if you do so please wrote who you worked with on your quiz. Be sure you are writing your own solutions and turning in your own paper. Also note, working on these quizzes in class, simply copying answers from classmates, or having correct answers with no work, will result in an ungraded quiz.

Quiz Guidelines

Same as homework except you need to turn it in on the given quiz sheet. You can find blank quizzes under the take home quiz section of Blackboard if need be.

Late Homework/Quizzes

I will accept 1 late homework assignment and one late quiz for free, with no questions asked. You can have 2 extra days if you choose to take your late allotment. After that, I will only accept late homework and quizzes for valid emergencies. I will ask for proof of medical emergencies via a Dr.'s note.

Final Exam

A comprehensive final exam worth 20% of the final grade will be given at the end of the quarter covering all of the course's learner outcomes. You will receive a list of topics to expect on this exam and I will give you at least 1 class "study period". **You may not take the exam early, so please do not plan on it.**

Cheating

Is not allowed and will result in a failing grade.

Extra Credit

In general I do not give extra credit. However, if I do, it will be offered to the entire class. Please do not request individual exceptions.

Support Services

Students who have special needs or disabilities that may affect their ability to access information and/or material presented in this course are encouraged to contact the office of Disability Support Services on campus (963-2171).

Important Dates:

January 20: No School, MLK Day

February 2: Test 2

January 23: Test 1

February 14: Last day to withdraw

January 29: No School Prof. Dev. Day

February 17: No school President's Day

February 28: Test 3

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

