Course Overview. Math 132 is a rigorous course in mathematical statistics. We will cover three major components of statistics this semester:

- Descriptive Statistics: Graphical and numerical summaries of data
- Probability: Counting, random variables, expectation, and probability distributions
- Inferential Statistics: Sampling, estimation, and hypothesis testing

Our goal is to cover Chapters 1 through 10 of the text.

Text. Introduction to Probability and Statistics, Mendenhall, Beaver, and Beaver, 14th edition.

Prerequisites. There are no Wesleyan course prerequisites. Only basic high-school algebra is necessary; no knowledge of calculus will be needed.

Course Format. Our course meets twice a week for 80 minutes each day. Class time will be split between lectures (mostly prepared slides, which I will provide in advance) and group activities. It is extremely important that you actively participate in class and are present for group work. Working on problems in class will give you a chance to identify concepts which may cause confusion, and you can ask for clarification while we’re all together. This way you’ll be better prepared to tackle assignments at home. Do NOT be afraid to ask any questions during class. There’s no such thing as a bad or unwelcome question.

Course Materials and Moodle. All course materials (with exception of the textbook) will be posted to Moodle. This may include course announcements, lecture slides, homework assignments, and midterm solutions. You will also need a graphing calculator such as a TI-83. If you have a different brand, just check with me to make sure it’s acceptable.

Office hours. You are encouraged to use my office hours whenever you have questions about the course material. Sometimes one-on-one conversations with me can save you hours of study time on your own! If you can’t attend office hours, don’t hesitate to email me at ahildum@wesleyan.edu to ask for an appointment for another time.

Math Workshop. The Math Workshop is located in the Science Library in the main floor conference room. It is open most afternoons and evenings. There are always two staff members on duty, who may be either experienced undergraduates or math graduate students.
This is a drop-in tutoring service, available to all members of the Wesleyan community. Staff members provide a friendly, relaxed atmosphere while answering questions about mathematics. The workshop is a good place to go when you get stuck on your homework.

**Homework Assignments.** We will have weekly assignments, consisting of problems from the textbook. Each problem set will be assigned on Thursday and due the following Thursday. You may turn in your assignment to me during class, or place it in the box outside of my office door (643 Exley) by 5 PM. **Late assignments will not be accepted** without permission obtained by the instructor before the due date (with exceptions for reasons documented by a class dean).

I encourage you to discuss homework problems with your classmates, but you must **write up your own solutions**. If you do choose to work together, write your collaborators’ names at the top of your paper. Please don’t copy your buddy’s homework. The point of homework is to learn the material, not copy it for a grade.

**Midterms and Exams.** There will be three midterm exams and a final exam.

- Midterm 1: Tuesday, February 23, in class
- Midterm 2: Thursday, March 24, in the evening
- Midterm 3: Thursday, April 21, in the evening
- Final Exam: Wednesday, May 11**

The first midterm exam will be held during class time, in our regular room. The second and third midterm times and locations will be determined as we near each particular test. The final exam time, as scheduled by the registrar, is Wednesday, May 11, from 9:00AM - 12:00 PM. PLEASE NOTE that this date and time is tentative, to be finalized after Spring Break.

If you have an academic or athletic conflict with a midterm exam (such as a lab, another exam, or a university sporting event), inform me at least one week before the exam. If the conflict can’t be resolved, I will offer you a make-up exam.

I (or the TA) will hold review sessions before each midterm and the final exam. The times and locations will be determined as we near each particular test.

**Grades.** Your grade in the course will be based on the following:

1. **Homework (30% of your grade).**
2. **Participation (5% of your grade).**
3. **Three midterm exams (each 15% of your grade).**
4. **Final exam (20% of your grade).**

Based on the above breakdown, your overall percentage (rounded to the nearest integer) will be attributed to the appropriate letter grade as given in the table below:

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<td>67 - 69</td>
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I may curve the final percentage grade slightly, but this will never lower your letter grade.

Grades for individual assignments and midterms will be posted to Moodle, however the subtotals/total that Moodle calculates may be incorrect. If you want to calculate your overall grade in the course, use the above breakdown.

**Students with disabilities.** It is the policy of Wesleyan University to provide reasonable accommodations to students with documented disabilities. Students, however, are responsible for registering with Disabilities Services, in addition to making requests known to me in a timely manner. Note that accommodations are not provided retroactively.

If you believe that you need accommodations for a disability, please contact Dean Patey in Disability Resources, located in North College, Room 021, or call (860) 685-5581 for an appointment. See http://www.wesleyan.edu/studentaffairs/disabilities/Student/index.html for more information.

If you require accommodations in this class, please make an appointment with me as soon as possible, so that appropriate arrangements can be made.

**Academic Integrity.** You are expected to follow the University’s policy on academic integrity. The Honor Code can be found in the [Student Handbook](http://www.wesleyan.edu/studentaffairs/disabilities/Student/index.html). Before you hand in an assignment or a test, you agree to pledge the following:

> In accordance with the Honor Code, I affirm that this work has been completed without improper assistance.

It’s worth mentioning that if I have a legitimate reason to suspect you have violated the Honor Code, I am required to report it.