

Course website:

<http://math.pugetsound.edu/~jbernhard>

Contact information

James Bernhard • jbernhard@pugetsound.edu • Thompson Hall 390G

See the course website for my office hours. My office phone number is 253.879.3812, but the phone is usually one of the slowest ways to reach me. Email is usually much faster. (All of my email is forwarded to another account, so you may receive email from me at that account as well.)

The course website is the best resource for information about the course. Among other things, it contains a complete calendar for the semester, including all assignments. Also, if you email me a password when I request one, you will be able to access your grade-to-date any time during the semester via the course website.

Learning objectives

The main goal of this course is to learn how the standard methods of statistical inference are derived mathematically.

Prerequisites

Mathematics 375 or an equivalent background is required for this course. If you have not taken Mathematics 375, then you should let me know so that I can help you decide whether or not this course will be suitable for you.

Course materials

The required text for this course is: *John E. Freund's Mathematical Statistics with Applications (8th edition)* by Irwin and Marylees Miller. This book is available at the campus bookstore. You don't need any particular specialized technology for this course.

Coursework

The coursework consists of:

- Three in-class *tests* in the first part of the semester.
- Approximately weekly *homework assignments* during the later part of the semester.
- A *final exam*.

Grading

Your grade will be based on my assessment of your understanding of the material. By default, I will weight the various components of the course as follows:

Homework assignments	35%
Test 1	10%
Test 2	10%
Test 3	15%
Final exam	30%

However, these weights are subject to change due to individual circumstances, so if you believe the above components do not accurately represent your understanding of the material, please let me know. If the circumstances dictate, I can work with you to find another way to demonstrate your understanding of the material.

Late work policy

I will not accept late work without an appropriate reason, which you should explain to me before the work is late if possible. If you are falling behind or need to turn something in late, please see me so that we can discuss it.

Attendance policy

I will not be taking attendance in this class. You are responsible for the material that we cover in class whether or not you are in attendance. Since it is extremely difficult to keep up in the course without attending regularly, I expect absences to be rare. I don't ordinarily give make-up tests, so if you must be absent on a test day, please let me know as far as possible in advance so that we can discuss the situation.

Academic honesty

You are allowed to work with others (including each other, tutors, and me) on the homework problems in any way that helps you learn the material, but your write-up

must be your own (and not copied directly from anyone else's). You are not allowed to work with anyone on the tests or the final exam.

For general information on issues of academic honesty, see the official University of Puget Sound academic honesty policy at:

[http://www.pugetsound.edu/student-life/student-resources/
student-handbook/academic-handbook/academic-integrity/](http://www.pugetsound.edu/student-life/student-resources/student-handbook/academic-handbook/academic-integrity/)

University emergency response procedures

Please review university emergency preparedness and response procedures posted at www.pugetsound.edu/emergency/. There is a link on the university home page. Familiarize yourself with hall exit doors and the designated gathering area for your class and laboratory buildings.

If building evacuation becomes necessary (e.g. earthquake), meet your instructor at the designated gathering area so she/he can account for your presence. Then wait for further instructions. Do not return to the building or classroom until advised by a university emergency response representative.

If confronted by an act of violence, be prepared to make quick decisions to protect your safety. Flee the area by running away from the source of danger if you can safely do so. If this is not possible, shelter in place by securing classroom or lab doors and windows, closing blinds, and turning off room lights. Lie on the floor out of sight and away from windows and doors. Place cell phones or pagers on vibrate so that you can receive messages quietly. Wait for further instructions.

Disabilities

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Peggy Perno, Director of the Office of Student Accessibility and Accommodation, 105 Howarth, 253.879.3395. She will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Other

Feel free to contact me with any questions you have regarding the course. I look forward to an enjoyable class with you this semester!