

**MATH 164 (Section 6439, Spring 2008)**  
**Introduction to Probability and Statistics**  
MTuWTh 10:10–11:00 AM, Humanities Room 6

**Instructor:** Hungwen Chang

Office Hours: MW 9:00—10:00 am at H2

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**Prerequisites:** Math 120 (Intermediate Algebra)

**Textbook and Materials:**

- Required textbook: “Fundamentals of Statistics”, 2<sup>nd</sup> Ed., by Michael Sullivan.
- A scientific calculator, preferably with statistics functionalities. A typical model costs less than \$15

**Course Contents:** When studying a huge population, it is usually infeasible or prohibitively expensive to conduct an exhaustive “census”. Statistics provides a collection of methods that enable us to make “educated guesses” about attributes of a population by analyzing only a sample of a limited size appropriately selected from the population. Guesses involve chance and likelihood. The mathematics of probability helps us understand and quantify such chance and likelihood. This allows us to correctly interpret the collected data to answer questions of interest about the population. We will cover Chapters 1–10 and, if time allows, selected portions of the remaining chapters. Upon completing this course, students should be able to analyze a wide range of situations for their statistical content, and to make appropriate inferences and conclusions based on such analyses.

**Performance Evaluation and Grading Policy:** Grading is based on the following:

1. **Assignments (20%):** About one per week. All work is to be completed legibly in pencil on loose-leaf paper. You should staple—do not fold!—your paper. Clearly print your name. Work of poor quality will not be graded. Each work turned in shall receive one of the following grades: A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, which are translated into (on a scale of 0–100) 100, 96, 92, 88, 85, 82, 78, 75, 72, 65, 58, 50, 0, respectively. Late work will obtain a grade no better than B+. Work turned in late by more than one day will not be accepted.
2. **Tests (65%):** Tentatively there shall be 7 tests. They shall take place roughly once every two weeks before the Spring Break, and less frequently afterwards.
  - Always bring a calculator to a test/exam.
  - Test time will not be extended for late arrivals.
  - There will be no make-up test, except for reasonable extenuating circumstances subject to the instructor’s discretion. To qualify, prior arrangement is required, except for emergencies, in which case a written document should be presented as proof, in addition to timely notification to the instructor via voice message or email. A missed test gets a zero.
3. **Final Exam (15%):** Final exam date and time shall be in accordance with the official schedule of classes: Monday, May 19, 10:00—11:40 AM.

Your letter grade is then determined based on the following scheme:

F: below 50, D: 50–69, C: 70–79, B: 80–89, A: 90–100

- (1) “Incomplete” (“I”) is strictly for students *in good standing* who cannot attend classes near the end of the semester due to an unforeseeable emergency.
- (2) If the student intends to drop the course, it is her/his responsibility to do so officially with the Admissions and Records by the deadline. Simply stopping coming to class may result in you receiving a failing grade (“F” or “D”). See the policy laid out in the section “Attendance” below.

**Attendance:** The instructor has the right to drop a student after the student's absence from six (6) class meetings, but the instructor is not required to do so. A student intending to drop the course is responsible for filing necessary paperwork with the Admissions and Records by the relevant deadline. Do not count on the instructor to drop you!! If you simply stop coming to class without dropping yourself officially and the instructor chooses not to drop you, you may end up getting a failing grade ("F" or "D").

**Classroom Behavior:** Common classroom etiquette is expected. This includes:

- Cellular phones should be turned off or set to vibrate.
- Children should not be brought to class meetings.
- Food should not be consumed in the classroom.
- Students should refrain from distracting behavior such as holding side conversation during lectures.

**Academic Honesty Policy:** Cheating on a test/exam, shall result in, for the first offense, a zero for the test/exam. A second offense shall lead to an "F" grade for the course. Examples of cheating include helping someone on a test, copying another student's test, using material not allowed on an exam, or sharing a calculator or scratch paper on an exam. The instructor may choose to change seating arrangement during a test/exam when cheating is suspected.

**Important Dates (Related to This Course):**

- No meeting: Monday, January 21 (Martin Luther King Jr. Birthday).
- Last day to drop without "W": Monday, February 11
- No meeting: Monday, February 18 (Washington's Birthday)
- No meeting: Monday, March 17 to Sunday, March 23 (Spring Recess)
- Last day to drop with "W": ~~Friday, April 4.~~ ← **Should be Friday, April 25.**
- Final Exam: Monday, May 19, 10:00—11:40 AM (Note that it begins on the hour!).