Math 408 Schedule, Spring 2024

General features:
- 12 homeworks (due on Thursdays): 10% total;
- 12 quizzes: 10% total;
- 2 computer projects (due FRIDAY, MARCH 8 and FRIDAY, APRIL 19): 10% total (5% each);
- 2 midterms (MARCH 4 AND APRIL 15, BOTH MONDAYS): 30% total (15% each);
- 1 experimental project (Due FRIDAY, APRIL 26): 10%.
- Final exam (Wednesday, May 1, 11am–1pm): 30%.

Quizzes and exams are your individual effort; for homeworks and projects, you are welcome to use any help whatsoever.

About Quizzes: Most quizzes are on Tuesdays, starting with week 2. On exam weeks, the quiz will consist of a problem from the exam you had the day before. There will be two special quizzes on Thursdays the week before each midterm exam.

Weekly schedule

Week 1.
Main topics: Review of probability and descriptive statistics.
Chapters in the book: 1–7.
Important date: January 11 (HW1 is due).

Week 2
Main topic: Estimation.
Chapter in the book: 8.
Important dates: January 15 (MLK Day, no class), January 16 (Quiz 1, on probability), January 18 (HW 2 is due).

Week 3
Main topic: Estimation.
Chapters in the book: 8,9.
Important dates: January 23 (Quiz 2, on estimation), January 25 (HW 3 is due), January 26 (Last day to drop **without** a "W" and **with** refund).

Week 4
Main topic: Estimation.
Chapter in the book: 9.
Important dates: January 30 (Quiz 3, on estimation), February 1 (HW 4 is due).

Week 5
Main topic: Hypothesis testing.
Chapter in the book: 10.
Important dates: February 6 (Quiz 4, on estimation), February 8 (HW 5 is due).

Week 6
Main topic: Hypothesis testing.
Chapter in the book: 10.
Important dates: February 13 (Quiz 5, on hypothesis testing), February 15 (HW 6 is due).

Week 7
Main topic: Linear models.
Chapter in the book: 11.
Important dates: February 19 (Presidents Day, no class),
February 20 (Quiz 6, on hypothesis testing),
February 22 (HW 7 is due), February 23 (Last day to drop **without** a "W" but **without** refund).

Week 8
Main topic: Linear models.
Chapter in the book: 11.
Important date: February 29 (Quiz 7, to prepare for Exam 1; HW 8 is due).

Week 9
Main topics: Exam 1; Design of experiment.
Chapters in the book: 8–11, 12.
Important dates: March 4 (Exam 1), March 5 (Quiz 8, on Exam 1), March 8 (Computer Project 1 is due).

Week 10
Main topic: Analysis of variance.
Chapter in the book: 13.
Important date: March 21 (HW 9 is due), No quiz this week.

Week 11
Main topic: Categorical data and χ^2 test.
Chapter in the book: 14.
Important dates: March 26 (Quiz 9, on ANOVA), March 28 (HW 10 is due).

Week 12
Main topic: Nonparametric methods.
Chapter in the book: 15.
Important dates: April 2 (Quiz 10, on χ^2 test), April 4 (HW 11 is due),
April 5 (last day to drop **with** a "W").

Week 13
Main topic: Baeysian statistics.
Chapter in the book: 16.
Important date: April 11 (Quiz 11, to prepare for Exam 2; HW 12 is due).

Week 14
Main topic: Exam 2.
Chapter in the book: 12–16.
Important dates: April 15 (Exam 2), April 16 (Quiz 12, on Exam 2), April 19 (Computer Project 2 is due).

Week 15
Main topic: final review.
Chapters in the book: 8–16.
Important date: April 26 (Experimental Project is due). No quiz, and no HW due this week.

Final exam is Wednesday, May 1, 11am–1pm, in the regular lecture room.