

BNAD/ECON/MGMT 276

Statistical Inference in Management

Pre-session 2016

Instructor: Phuong Ho

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Class Room: McClelland Hall 128

Class schedule: Mon–Fri, 1:00pm–4:00pm

Office Hours: 4:00pm–5:00pm (Mon–Thu) in
MCLND 401A

Course Description: This is a course in statistics for business and economics majors. The main goal of this course is to understand basic probability theory and learn how to infer information in data. The course consists of two parts: (1) the first half covers basic probability theory and (2) the second part covers topics in statistical inference such as interval estimation and hypothesis testing. The prerequisites for the course are MIS 111, MATH 115A-B or 116, or their equivalents.

Textbooks (recommended):

Essentials of Statistics for Business and Economics, 7th edition, by David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, Jeffrey D. Camm, and James J. Cochran. (ASWCC)
Cartoon Guide to Statistics, by Larry Gonick and Woollcott Smith

Grading Policy: Course grades will be determined based on the following weights:

- 27 % Midterm 1
- 29 % Midterm 2
- 35 % Final (Comprehensive)
- 9 % Quizzes

Exams

There will be two midterms and one comprehensive final exam. Make-up for midterm exams will not be administered. Excuses for missed exam should be pre-approved unless such is impossible in an emergency situation. If you miss a midterm and can document that you were unable to take the midterm for a University excused absence, your grade will be determined by the following weights: 35% of midterm, 50% of final, and 15% of quizzes. Otherwise, students who miss an exam will receive a grade of zero for that exam. Each midterm is a 75-minute test. The final exam is a 2-hour test.

Quizzes

There will be 3 quizzes during the entire course. The quizzes aim to review some materials before the midterm tests and the final exam. Each quiz will be given at the beginning of a lecture and is a 20-minute test of multiple choices and/or short-answer questions. There is no make-up quiz and *no extra* time for coming late to the class.

Academic Integrity

Students at the University of Arizona are expected to demonstrate integrity and ethical behavior. Any incidence of academic dishonesty, including chatting on an exam, will be handled in accordance with the Code of Academic Integrity. Sanctions may include, but are not limited to failure of this course.

Link: deanofstudents.arizona.edu/policies-and-codes/code-academic-integrity

Grade Appeals

If you think there was a mistake in grading exams or quizzes, you have two days to contact me after graded exams or quizzes are returned to you. I will not respond to any appeals after this two-day period.

Lecture Slides and Exercises: Lecture notes will be posted on my website.¹
<http://u.arizona.edu/~phuongho/bnad276.html>

Important Dates:

Midterm 1: Friday, May 20

Memorial Day: Monday, May 30 (No class)

Midterm 2: Friday, May 27

Final: Friday, June 3

Class Attendance and Etiquette: While attendance is not mandatory, it is strongly encouraged. Your conduct in lectures, office hours, and exams should be courteous to your fellow students and instructor. Any behavior that potentially disturbs your fellow students or the instructor is not allowed during the class. For example, eating food, chatting loudly with others, and using any electronic devices including cell phones, laptops, or tablet PCs are not allowed in this class. Cell phones should be turned off or on silent. Threatening behavior is prohibited. See the policy on Threatening Behavior by Students. (Link: policy.web.arizona.edu/threatening-behavior-students)

Tentative Outline: Although official final exam date is Saturday, June 4, our final exam will be on **Friday, June 3**. Since the final will be given early, each class will meet 10 minutes longer to make for the lost time.

Date	Topic	ASWCC book
May 16	Overview & Descriptive Statistics I	Ch. 1–2
May 17	Descriptive Statistics II	Ch. 2–3
May 18	Quiz 1 & Probability Theory I	Ch. 4
May 19	Probability Theory II	Ch. 4
May 20	Midterm 1 & Probability Distribution	Ch. 5
May 23	Discrete Probability Distribution	Ch. 5
May 24	Continuous Probability Distribution I	Ch. 6
May 25	Quiz 2 & Continuous Probability Distribution II	Ch. 6
May 26	Introduction to Sampling	Ch. 7
May 27	Midterm 2 & Sampling and Sampling Distribution	Ch. 7
May 30	Memorial Day (no class)	
May 31	Interval Estimation	Ch. 8
June 1	Quiz 3 & Hypothesis Test I	Ch. 9
June 2	Hypothesis Test II and Simple Linear Regression	Ch. 10, 12
June 3	Final (Comprehensive)	

¹I thank Daehong Min for permission to adapt his lecture slides.

Accessibility and Accommodations: If you require accommodations for a disability, please do so through the procedures established by Disability Resource Center (DRC).

Subject to amendment: Course policies in this syllabus are intended to be complete, but minor revisions may be made at the instructor's discretion, and you will be notified during lecture.