
Math 120 – Introduction to Probability and Statistics

Spring 2008 - Section 2, MH 416, MW 2:30-3:45 p.m.

Section 3, MH 416, MW 4:00-5:15 p.m.

Instructor: Mortaza (Mori) Jamshidian, Professor. **Office:** MH 180 **Phone:** 714-278-2398

Office Hours: M 11:30-12:55 p.m., W 5:15-6:45 p.m., or *by appointment*

Homepage: <http://math.fullerton.edu/mori> **E-mail:** mori@fullerton.edu

Text: *Mind on Statistics, Third Edition*. Authors: Utts & Heckard. Publisher: Brooks/Cole, 2007 (CD is required).

Calculator: A scientific calculator that includes statistical functions is required.

Software: We will use Minitab for the projects and homework assignments. Minitab is available, free of charge, to all CSU students. I will e-mail every student the instruction for downloading Minitab and the relevant licensing information. A manual for Minitab is included in the textbook's CD, and I will explain most of what you need to know about this software in class.

Your e-mail address wanted: You are *required* to fill out the "Student Information Form" ([click here](#)) and submit it to mori@fullerton.edu no later than **Friday January 25th**. **Do not** save the PDF file and attach to an e-mail. You need to **use the submit button** on the form and follow the instructions. I will send various communiqué including information about the homework, and other announcements through e-mail. The first piece of information that you will receive by e-mail is instructions on how to download the Minitab. Please provide an e-mail address that you check frequently. I will send a "test e-mail" on **Saturday January 26th** to everyone. If you do not receive this test e-mail, please see me on Monday to resolve any problems there may be. *Note:* Any credits that you lose due to not establishing your e-mail connection with me on time will be your responsibility.

Course Objectives: Our main objective is to discuss the "big ideas" in analysis of data without being too bugged down on computational formulas. In this course, you will learn statistical terminologies, methods of exploring, summarizing, and presenting data, methods of performing sample surveys, designing experiments, and critiquing results of surveys and experiments. On the more theoretical side, we will learn concepts of probability, random variable, and sampling distributions. These will form the foundation for further topics of estimation, confidence intervals, and tests of hypothesis which we will cover.

Course requirements and Grading Policy:

Homework: There will be weakly homework assignments that will be due every Wednesday, except for the exam days (see <http://math.fullerton.edu/mori>). You are required to do all the homework by the due date. However, I will often send an e-mail approximately 24 hours prior to the homework due date to let you know what subset of the assigned problems you should turn in

(there may be a penalty for turning more problems than those that I want you to turn in). If you don't receive an e-mail from me, you should turn-in all the assigned homework.

Projects: We will have both in-class and outside class projects that involve data collection, data presentation, and data analysis. To get credit for the projects you must be present in class the day that I will distribute the project. The project dates **will not be announced** in advance.

Exams: There will be two midterm exams, and a comprehensive final exam. All the exams will be closed book and closed notes. However, you will be allowed to bring in one page of information during each midterm exam and five pages of information during the final exam.

Percentages and Exam Dates:

Hwk/Proj	Exam I	Exam II	Final Exam
20%	25%	25%	30%
	2/25 (Mon.)	3/24 (Mon.)	Section 2: 5/14 (Wed. 2:30-4:20) Section 3: 5/14 (Wed. 5:00-6:50)

Letter Grades:

Percent	97- 100	90- 96	88- 89	85- 87	80- 84	78- 79	75- 77	65- 74	60- 65	50- 59	00- 49
Grade	A+	A	A-	B+	B	B-	C+	C	D+	D	F

Late homework/projects will not be accepted. Make-up exams will be given only in extreme instances and only with advanced permission of the instructor. Any student who does not take an exam at the scheduled time without prior consent of the instructor will receive a grade of zero on that exam. If any student feels that a sudden illness is sufficiently extreme to warrant a make-up exam, the instructor must be provided with documentation prepared by an appropriate authority.

Academic Integrity: Students who violate university standards of academic integrity are subject to disciplinary sanctions, including failure in the course and suspension from the university. Since dishonesty in any form harms the individual, other students and the university, policies on academic integrity are strictly enforced. I expect that you will familiarize yourself with the academic integrity guidelines found in the current student handbook (see <http://www.fullerton.edu/deanofstudents/judicial/policies.htm>).

Examples of actions that constitute academic dishonesty include, but are not limited to:

1. Unacceptable examination behavior – communicating with fellow students, copying material from another student's exam or allowing another student to copy from an exam, possessing or using unauthorized materials, or any behavior that defeats the intent of an exam.
2. Plagiarism – taking the work of another and offering it as one's own without giving credit to that source, whether that material is paraphrased or copied in verbatim or near-verbatim form.

3. Unauthorized collaboration on a project, homework or other assignment.
4. Documentary falsification including forgery, altering of campus documents or records, tampering with grading procedures, fabricating lab assignments, or altering medical excuses.

Emergency Evacuation: In the event of an emergency such as earthquake or fire:

- Take all your personal belongings and leave the classroom. Use the stairways located at the east, west, or center of the building.
- Do not use the elevator. They may not be working once the alarm sounds.
- Go to the lawn area towards Nutwood Avenue. Stay with class members for further instruction.
- For additional information on exits, fire alarms and telephones, **Building Evacuation Maps** are located near each elevator.
- Anyone who may have difficulty evacuating the building, please see the instructor.

Important Dates to Remember:

February 4 (Monday): Last day for students to drop **without** a grade of "W". Students drop using Titan.

February 29 (Friday): Last day the Math Department will be flexible on the approval of late withdrawal requests. Beginning Monday, March 3, students must have a serious and compelling reason for withdrawing (e.g. medical reason) and must provide supporting documentation for their reason.

April 18 (Friday): Last day to withdraw with a truly serious and compelling reason that is beyond the student's control. Students must document their reason.