

Fall 2015, Math 104-12, 104-13

Elementary Statistics

Lecture schedule: 12:00–12:50, 1:00–1:50 pm MWF, Bellsouth Building 310

Instructor: Renling Jin, Office: 326 RSS

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Home page <http://jinr.people.cofc.edu>

Office Hour: 2:00–3:00 MWF, or by appointment

Text: Elementary Statistics, by M. Triola (12th edition).

Course Description: This course teaches Probability concepts, descriptive statistics, binomial and normal distributions, confidence intervals, and tests of hypotheses.

Prerequisite: MATH 101 or placement.

Course Objectives: Statistics is interesting and useful because it provides strategies and tools for collecting and using data to gain insight into real problems from a wide spectrum of disciplines. Using elementary mathematics, students will learn statistical methods used to analyze data and draw conclusions supported by evidence. Emphasis will be placed on the elements of sound statistical reasoning. Being able to intelligently understand the uses and abuses of statistics is one of the most important skills learned from an introductory statistics course. In short, this course will make you "statistically literate".

General Education Learning Outcomes: Students are expected to display a thorough understanding of the topics covered. In particular, upon completion of the course, students will be able to:

1. model phenomena in mathematical terms,
2. solve problems using these models, and
3. demonstrate an understanding of the supporting theory behind the models apart from any particular application.

These outcomes will be assessed on the final exam.

A TI-83 or TI-84 calculator is required for this class.

Grading: There will be three midterm tests (20% each), a final exam (accumulative, 30%), and eleven quizzes (10% total). Your letter grade will be assigned according to the following scale:

93 – 100 A, 90 – 92.9 A-

87 – 89.9 B+, 83 – 86.9 B, 80 – 82.9 B-

77 – 79.9 C+, 73 – 76.9 C, 70 – 72.9 C-

67 – 69.9 D+, 63 – 66.9 D, 60 – 62.9 D-, below 60 F

Please note that NO extra work will be offered in order to lift one's grade and NO special consideration for an individual will be given for changing the weight distribution of the tests, quizzes, and final exam. In order to earn a good grade, one needs to study hard through entire semester.

Important dates:

test 1: 09/18, test 2: 10/16, test 3: 11/13

final exam: 12/16 (for 104-12) 12/09 (for 104-13) 12:00–3:00 pm

last day to drop with a grade of "W": 10/29

first day of the class: 08/26, last day of the class: 12/07

holidays and breaks: 10/19, 11/25, 11/27

Homework and Quizzes: Homework exercises will be assigned in each class. Homework will not be collected. But a ten to fifteen-minute quiz based on homework exercises will be given on each of the following dates.

Q1: 08/31	Q2: 09/07	Q3: 09/14	Q4: 09/25	Q5: 10/02	Q6: 10/09
Q7: 10/26	Q8: 11/02	Q9: 11/09	Q10: 11/20	Q11: 12/02	

OAKS System: Lecture notes, the answers for the quizzes and tests, and some other materials will be posted on OAKS system

Additional help: The Math Lab is located on the 1st floor of Addlestone Library and provides excellent tutorial services. A schedule of hours can be obtained in the lab or you may call 3-5635 for information. Its web address is <http://csl.cofc.edu/labs/math-lab/index.php>. If you want to talk to the instructor beyond his scheduled office hour, please make an appointment with him. He is often available during afternoon of weekdays.

Attendance Policy: Regular attendance is required and expected. A student should go to **the Office of the Associate Dean of Students, 67 George Street**

<http://studentaffairs.cofc.edu/about/absence-memo/absence-memo.pdf> to obtain official excuses for absences. The instructor reserves the right to drop a student from the class or take a percentage deduction for calculating the student's final course grade if the student has three or more unexcused absences. You need to sign your name on an attendance sheet every lecture day except these days when a quiz or a test is given.

Make-up Tests and Quizzes: Make-up quizzes will be given if an **official documented excuse** is granted. One quiz with the lowest score will be dropped. Make-up tests are only given under extraordinary circumstances. If you must miss a test, you should contact the instructor before the session next to the test as well as obtain a **documented excuse** from the Office of Associate Dean of Students. You can leave a message with the Mathematics Department Secretary or send the instructor an e-mail message if he is not in his office. Requests for taking the final exam earlier than the scheduled time will not be granted. Since the final exam for this class is scheduled for the last day of the final exam period, a student should withdraw from the class in the beginning of the semester if the exam schedule does not work for him/her.

Honor code: Academic dishonesties will be reported to the college honor board.