

Section 5 - MW 12:15 - 1:30 Robinson 201A
Section 8 - MW 1:45 - 3:00 Education 3117

Prerequisites: At least the equivalent of College Algebra or Precalculus (with a passing grade). The grade distribution for the 62 students who lacked the prerequisite and took the course is C – 3, D – 22, F – 37.

How to reach me: Office - Robinson 228J Phone - (856) 256-4500 x 3897
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Web Page - <http://www.rowan.edu/mars/depts/math/lacke/lacke1.html>

Office Hours: M 3:15 – 4, T 1:30 – 2:30, W 5:00 – 6:00, Th 11:00 – 12:00

Required Text: Introduction to Statistics and Data Analysis. 3rd edition by Peck, Olsen, and Devore. Duxbury, Belmont, CA, 2008. **Take the time to read the text!**

Software/Usage: Throughout the semester we will be using a statistical software package called JMP. The University has the licenses for Windows and Mac, and it can be downloaded from the Rowan website at no cost to you. It is already available on any network computer on campus. You will be required to use JMP on many of the homework problems (see the list of homework problems for the requirements), as well as the Fast Food Data Analysis.

Calculator Usage: The TI-83/TI-84 and TI-89 models are all usable (and required) in this course. Some models of the TI-83 and TI-89 do not have all of the necessary functions for this class. If you have your calculator with you today, bring it up at the end of class so that I can check it.

Grading: Homework Notebook 15% Fast Food Analysis 10% Exams (4) 75%

Grading scale: I use the standard cutoffs of 90 (A-), 80 (B-), 70 (C-), and 60 (D-). Any curve (and there hasn't been one before) or adjustment would be used at the end of the semester, not on a single quiz or exam.

Homework problems from the book will be provided at the beginning of the semester. Additional problems will be assigned as needed. You are to maintain a notebook with all of your work/JMP/calculator output. **At the time of each exam, you are required to submit your homework notebook.** Your homework grade will be based on the effort made to solve the problems relevant to the material covered on that exam. While your answers need not be correct, doing half of each problem will not result in a high grade.

Please bring your notebook to class and for office hours. This will allow us to examine what you have tried so that we can see if you are on the right track. **Note: it is your job to keep up-to-date with the homework. In-class questions about problems may be asked within three classes of when the material was originally covered.**

Each homework notebook submission will earn a 10, 9, 8, 7, 6, 5 or 0. Those handing in a notebook with 50% or fewer of the problems substantially attempted will receive a 0. Each submission will count for 5% of your final grade. **Late notebooks will not be accepted, period.** Missed submissions will be assigned a grade of zero (0). Your lowest notebook grade will be dropped.

On the **Midterms** and **Final Exam** the lowest of your four exams will count 15%, each of the others will count 20%. You are allowed one 8.5" X 11" sheet of notes for each exam. The **Final Exam** (date and time TBA) will be cumulative; however, 50-55% of the material will come from the sections covered after the third exam.

Although **Class Participation/Effort** is not formally listed, a strong effort and attendance record can provide the "benefit of the doubt" for those with borderline grades.

Attendance/Make-up/Missed Assignments -. Attendance will be taken because of federal regulations. If you want to do well in this course, then the first step is simple – show up. I can't guarantee what you'll earn if you come to every class, but I'm pretty certain what you'll earn if you have a lousy attendance record. **If you are unable to take an quiz/exam for any reason (including mild illness), you must notify me in advance!** This can be done by speaking with me in person, over the phone, or by leaving me a phone-or e-mail message. If your excuse is reasonable, something will be worked out. If you do not speak with me until after the exam, a make-up will be given only in the case of an extreme emergency.

Academic Honesty: The work on the quizzes and exams must be your own. If you are caught cheating, you will receive an F in the course and be reported to the Provost's Office. I reserve the right to begin expulsion procedures. By the way, each exam has multiple versions, so copying from a neighbor will be an obvious infraction.

Cell Phones and Musical Devices (Walkmen, MP3 players) are to be **turned off** for the duration of the class. In past years, some students have decided that class, despite my statement, is a good place to text under the table, behind a book, etc. Hence, here is my new policy:

If you text/browse the web/etc. during class, I will not answer any of your questions, at any time, for the remainder of the semester. You will not be allowed to come to office hours. MOREOVER, all electronic devices other than your graphing calculator must be turned off during all in-class quizzes and exams. Failure to do so will fall under the academic honesty policies.

If you require help outside of what you can normally obtain, contact the Tutoring Center in Savitz Hall (x4264)

Office Hours/Questions/Extra Help – I will be glad to help you if you need it. Office hours are on a first-come/first-serve basis. When a number of students show up, I may move to the table in the middle of the math office (you'll see me), or possibly into the math conference room (where you wouldn't see me). Make sure that you check with in the conference room or with the secretary if I am not available during office hours. If you can't come during office hours, please set up an appointment with me or send me your question via e-mail. Most importantly, **do not wait until you have been in trouble for two weeks to come see me. By that time, most people are so far behind that they can't catch up.**

Students With Disabilities and Special Needs: Please speak with me as early in the semester as possible so that we can make appropriate accommodations for you. If necessary, you can also contact the Office of Special Services in Memorial Hall (x4233).

Material To Be Covered (and order):

Subject Overview – Chapter 1

Sampling - (Sections 2.1 and 2.2)

Graphical Methods for Describing Data – Chapter 3

Numerical Methods for Describing Data – Chapter 4

Exam 1

Probability (Sections 6.1 – 6.6)

Random Variables (Sections 7.1 – 7.4, 7.6, part of 7.7)

Exam 2

Sampling Variability and Sampling Distribution of a Sample Proportion (Sections 8.1, 8.3)

Single-Sample Inference for One Population Proportion (Sections 9.1, 9.2, 10.1 – 10.3)

Exam 3

Sampling Distribution of a Sample Mean (Sections 8.1, 8.2)

Single-Sample Inference for One Population Mean (Sections 9.3, 10.4)

Two-Variable Relationships, Linear Regression and Correlation (Sections 5.1 – 5.3)

Final Exam

