MEETING TIMES: Lab meetings GMCS

Section 1  T 9:30-10:45    Section 4  R 9:30-10:45
Section 2  T 11-12:15     Section 5  R 11-12:15
Section 3  T 12:30-1:45   Section 6  R 12:30-1:45

INSTRUCTORS: Rich Levine  rlevine@mail.sdsu.edu
Kristin Duncan  kristin.duncan@mail.sdsu.edu
Kelly Spoon  kellyspoon@gmail.com
Theresa Chadwick  tchadwick@mail.sdsu.edu

OFFICE HOURS: Please see the Faculty tab of Blackboard for instructors’ office hours and locations. While you may only attend the lab session for which you are registered, you may visit any instructor’s office hours.

COURSE DESCRIPTION: Topics include descriptive statistics, data displays, measures of central tendency and variability, random variables, sampling distributions, estimation and hypothesis tests for means and proportions, linear regression and correlation.

REQUIRED TEXT AND ONLINE LEARNING TOOL: Statistics: Learning from Data by Roxy Peck with Aplia. Available from Cengage for $102.60 http://www.cengagebrain.com/course/site.html?id=1-1MI3NAT. Please note that you should activate and access our Aplia course ONLY through Blackboard. DO NOT go directly through Cengage to activate. If it appears as though nothing is happening through the Blackboard links, set your browser to allow pop-ups in Blackboard.

CALCULATOR: You are required to have a scientific calculator for the final exam. While not required, we recommend a calculator capable of bivariate data analysis that also has normal and t distribution value comparable to a TI 84 Plus. Calculators can be rented from sites such as http://www.graphtor.com/ for about $35 per semester if you do not already have access to one.

COURSE GOALS: The goal of this course is for you to be able to

- Know how to collect data in appropriate ways
- Describe the distribution of a data set graphically
- Describe the distribution of a data set numerically
- Work with random variables and probability distributions
- Use regression analysis to describe bivariate numerical data
- Understand the principles of statistical inference
- Understand sampling variability and work with sampling distributions
- Perform inference (confidence intervals and hypothesis tests) for population proportions and differences in proportions
- Perform inference for population means and differences in population means for independent and paired data
- Perform inference (chi-square tests) for categorical data

GRADING: Your grade will be composed of the following items:

Aplia Homework 10%
Labs and Recitation Assignments 10%
In-class quizzes 5%
Midterm 1 20%
Midterm 2 20%
Final 35%

Individual assignments and exams will not be curved. Letter grade assignments will be based on the distribution of scores for the whole class (sections 1-6) at the end of the semester, but will roughly follow the cut-offs below. In the past we have adhered strictly to this scale at the top and been somewhat more lenient at the bottom. If you are unsure of your
standing in the course, you are encouraged to check with your instructor. Note that while we do our best to weight items in Blackboard as we go along, the running weighted percent in Blackboard can sometimes look optimistic.

92.6%-100% A 72.6%-77.5% C
90%-92.5% A- 70%-72.5% C-
87.6%-89.9% B+ 67.6%-69.9% D+
82.6%-87.5% B 62.6%-67.5% D
80%-82.5% B- 60%-62.5% D-
77.6%-79.9% C+ Less than 60% F

HOMEWORK: Homework will be administered via Aplia within Blackboard. There is a 3 week grace period to purchase an Aplia access code. You are responsible for getting your account access. If you miss any assignments due to failure to purchase or properly activate access before the end of the grace period, you will receive a zero. Homework is due by 11:45 pm on the due date (typically Monday). No late homework will be accepted. Your one lowest homework score will be dropped.

LABS and RECITATIONS: There will be a lab or recitation assignment during each class meeting. These will be administered via Blackboard, and may require you to use Microsoft Excel to perform data analysis or to use other applets to reinforce statistical concepts. Labs and recitations are to be completed during class. Your lowest lab/recitation grade will be dropped. Some work will be graded for accuracy while other assignments or problems may be graded for completion. No late work or make-up work will be accepted except in the case of multiple missed classes due documentable excuses.

ONLINE LECTURES AND QUIZZES: Lectures will be provided via pre-recorded video. Videos will be posted on Friday mornings (at the latest; typically earlier) and you are required to view them before your class meeting the next week. A short quiz on the lecture material will happen at the very beginning of each class meeting. Thus you are responsible for this material before coming to class; be sure to be prepared. If you have difficulty with the material after watching the video and reading the text, seek help from an instructor or TA BEFORE your section meets.

EXAMS: The midterm exams are scheduled to take place during your lab session meeting. Midterm 1 will take place Tuesday September 29th and Thursday October 1st. Midterm 2 will take place Tuesday November 3rd and Thursday November 5th. The block final exam for all sections is Saturday December 12th from 3:30-5:30 pm at a location to be announced. It is our intent to have the midterm exams administered via Blackboard, however you may be asked to bring a long red ParScore form (purchase at the bookstore) for those exams. You will need a long red ParScore form for the final. The exams will be closed book, though you may have one side of an 8.5x11 sheet of notes for each. These notes may be handwritten or typed, but each student must prepare his or her own notes. No photocopying of texts or handouts is permitted. If we suspect sharing of note sheets, their use may be disallowed. You will be required to upload an image of your notes to Blackboard by midnight the night before the exam. You will need a calculator for all the exams. You may not use any electronic devices other than a calculator and the lab computer. Any student whose phone rings audibly during an exam will have 5% deducted. Any student who answers a phone, reads or responds to a text, or accesses the internet in an unapproved manner during an exam will receive a zero.

SPECIAL NEEDS: If you have a documented disability requiring special accommodation, please see your instructor privately to discuss your needs.

ACADEMIC INTEGRITY: An academic dishonesty report will be filed for any student found violating the student code of conduct through dishonesty, cheating, or plagiarism. Sanctions may range from a reduced grade (possibly a zero) on the assessment to failure of the course for repeat offenders. Please see See http://csrr.sdsu.edu for more information on University policies.

CLASS ENVIRONMENT: Your cooperation is appreciated in creating an environment of mutual respect, devoted to learning in our classroom. Please arrive to class on time and remain alert and engaged. Refrain from using devices in a way that could distract you and others. Turn your phone to off or silent before class. Students who repeatedly disrupt class intentionally or unintentionally may have their final grade penalized up to 1% per occurrence.
TENTATIVE SCHEDULE: Dates are subject to change. Please pay attention to announcements in class and on Blackboard.

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<th>Lab Session (T/Th)</th>
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<td>Syllabus/Welcome</td>
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<td>Block Final Exam Saturday 12/12 3:30-5:30pm</td>
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