SYLLABUS
Statistics 302, Fall 2014

Instructor: Dr. Lan Zhou
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Lectures:
MWF 9:10 – 10:00am (Section 501) HECC 200
MWF 1:50 – 2:40pm (Section 505) Blocker 169

Office Hours: Wednesday 10:30 – 11:30, 405D Blocker; Tuesday 11-12, Wednesday 3-4, 405A Blocker (TA: Chelsea Pugh)
Help sessions: Monday - Thursday 10am – 12pm, 5pm – 7pm; Sunday 3pm – 5pm, Blocker 162

Prerequisites: Math 141, 166 or their equivalent

Course Website: WebAssign, eCampus

WebAssign: Homework will be completed online using the WebAssign system.
1. Go to https://www.webassign.net/login.html
2. Register yourself. The self-enroll directions and keys are posted in eCampus.

eCampus: http://ecampus.tamu.edu/
All course materials, including lecture notes, practice exams and answer keys, scores, etc. will be posted on eCampus; all course related questions should be posted on eCampus discussion board.

Software: JMP. Instructions for obtaining JMP will be posted on eCampus.
On a number of occasions you will be required to use JMP to complete the homework assignments.

Textbook (optional): http://courses.bfwpub.com/psls1e.php PSLS
The Practice of Statistics in the Life Sciences by Brigitte Baldi and David Moore.

Main Topics: Statistics is the science of learning from data. The main learning objective of the course is for students to be able to analyze and interpret data that is limited and variable to make conclusions regarding populations. Topics covered include an introduction to concepts of random sampling, data collection and statistical inference; estimation and testing hypotheses of means and variances, analysis of variance, regression analysis; chi-square tests. The course is intended for students in biological sciences or agriculture (except agricultural economics).
Required Materials:

1. A calculator that has a square root function and can do calculations to at least 6 decimal places.
2. Three large gray scantrons to be used for 3 major exams.
3. The course notes posted periodically on eCampus must be printed out and brought to each class.
4. One piece of paper, a pencil and a calculator for in-class quiz.

Exams: There will be two in-class midterms and one final exam. You will need an 8.5x11 GRAY scantron and your student ID for EACH exam. The exams are closed book.

Exam schedule:

Midterm I: Wednesday, Oct 15, in class
Midterm II: Wednesday, Nov 19, in class
Final Exam:
Section 501 – Monday, Dec 15, 8 – 10am, HECC 200
Section 505 – Tuesday, Dec 16, 3:30 – 5:30pm, Blocker 169

Quizzes: Indefinite number of one-question quiz will be given and 20% of students will be randomly selected to turn in their answers. To compensate for university excused absences, the lowest quiz score will be dropped. At the end of the semester, your total quiz score towards the calculation of your grade will be the average of all your graded quiz scores after dropping your lowest quiz score. If a student has never been selected during the whole semester, full credit will be given. There will be no makeup quizzes.

Homework: Homework will typically be posted on Wednesday and will be due the following Wednesday night by 10pm. There will be tentatively 12 homework assignments. NO late homework will be accepted nor will you be allowed to make up missed homework. To compensate for university excused absences, the lowest two homework scores will be dropped.

Grading policy:

Homework 15%, quizzes 5%, midterms 20% each, final 40%.

Course grades are assigned by total scores using the following scale:

- $90\% \leq \text{score} \leq 100\% \implies A$
- $80\% \leq \text{score} < 90\% \implies B$
- $70\% \leq \text{score} < 80\% \implies C$
- $60\% \leq \text{score} < 70\% \implies D$
- $0\% \leq \text{score} < 60\% \implies F$

Change/Excuse on exams need be approved in advance, with official document proving stated reason. Exams missed due to emergency reasons need official
justification afterwards. Non-excusable missed exams receive a grade of zero; excusable ones will be compensated by placing more weights on the other exams. If the final exam is missed but the student has finished other exams and the homework assignment, a temporary grade of I (Incomplete) is given.

**University Excused Absences:** Please refer to the Student Rules guidelines (see http://student-rules.tamu.edu/academicrules).

**ADA (Americans with Disabilities Act) Statement:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe that you have a disability requiring an accommodation, please contact the Department of Student Services, Services for Students with Disabilities (SSD), in Room 126 of the Koldus Building, or call 845-1637.

**Plagiarism Statement:** The handouts used in this course are copyrighted. By ‘handouts’, I mean all materials generated for this class, which include but are not limited to syllabi, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I explicitly grant permission. As commonly defined, plagiarism consists of the passing off as one’s own ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission of that person. Plagiarism is one of the worst academic sins, for the plagiarism destroys the trust among colleagues without which research can not be safely communicated.

**Academic Integrity Statement:**
“An aggie does not lie, cheat, or steal or tolerate those who do.” Please refer to http://student-rules.tamu.edu/aggiecode.htm.