Math 115 (Honors Section): Introduction to Statistics, Spring 2017

Instructor: Dr. Xin (Sheen) Dang
Office: Hume Hall 315
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COURSE INFORMATION:

Text: A First Course in Statistics by James T. McClave and Terry Sincich
(Custom Edition for University of Mississippi)
Course website: http:// pearsonmylabandmastering.com
Course ID: dang41157
Time/Place: T Th 9:30-9:45am; Hume Hall 221 Statistics Lab

DESCRIPTION:

Introduction to statistical concepts and techniques including descriptive statistics, random variables, probability distributions, sampling distributions, confidence intervals and hypothesis tests. Statistical software R will be implemented for demonstration of statistical methods.

LEARNING OBJECTIVES:

After completing this course, students enable to

- Understand basic probability concepts and probability distributions;
- Enhance critical statistical thinking;
- Know which statistical method is appropriate given a typical problem;
- Have familiarity with Statistical Software R.

GRADE INFORMATION:

- Class attendance – Attendance is mandatory. 1% penalty is given for one additional absence after 3 first absences.
- Homework – There are 18 online assignments totally worth 30% of the course grade.
- Tests – There are 4 tests. The worst test can be dropped. The tests consist of 40% of the course grade. No make-up tests will be given except of university functions.
- Final – The final is mandatory and comprehensive counting for 30% of the overall grade. No make-up tests will be given except in cases of verified emergencies.

A 93-100% A- 90 -92% B+ 86-89% B 83-85% B- 80-82% C+ 76-79% C 70-75%
D 60-69% F <60%

HONOR CODE:

"On my honor, I pledge that I have neither given, received, nor witnessed any unauthorized help on this ."

The Sally McDonnell Barksdale Honors College employs an Honor Code centered on honesty, sincerity, and justice. The purpose of this Honor Code is to strengthen the sense of community in which the Honors College takes great pride. Its strength depends on the personal honor and integrity of each Honors College member. Honors students are required to write the statement above on any assignment submitted for grading in Honors classes, thereby reinforcing the atmosphere of trust within the Honors College

community. A student with a documented case of plagiarism or academic cheating in an honors course will face the possibility of receiving the grade of F for the course and being dismissed from the Honors College. Specific consequences of such behavior will be determined by the administration and individual faculty member.

ATTENDENCE POLICY
Honors courses are small classes, usually taught in seminar style with no more than fifteen students. They are reading, writing and discussion intensive. Student participation is therefore essential. In addition, the university commits extensive resources, especially in terms of faculty time, to these small classes. For these reasons, the Honors College has an attendance policy for all honors courses, both required and departmental. Students are entitled to two absences in Tuesday/Thursday classes and to three absences in Monday/Wednesday/Friday classes. Consequences of additional absences will be determined by the individual faculty member, but additional absences will lower your grade.

TENTATIVE AGENDA: If changes are made, you will get advance notification in class.

Week/Date	Topic	Activity
Week 1	*Chapter 1: Sec 1.1-1.6*	*HW 0, HW 1*
Week 2	*Chapter 2: Sec 2.1-2.7*	*HW 2, HW 3, HW 4*
Week 3	*Chapter 2: Sec 2.8, Chapter 3: Sec 3.1*	*HW 5, HW6*
Week 4	*Test 1; Chapter 4: Sec 4.1-4.2*	*HW7*
Week 5	*Chapter 4: 4.3-4.5*	*HW8, HW 9*
Week 6	*Chapters 4: Sec 4.8-4.9*	*HW 9, HW 10, HW 11*
Week 7	☺	*Spring Break*
Week 8	*Test 2: covered sections of Chapter 4*	
Week 9	*Chapter 5: Sections 5.1-5.2*	*HW12*
Week 10	*Chapter 5: Sections 5.4-5.5*	*HW13, HW 14*
Week 11	*Test 3: covered sections of Chapter 5*	
Week 12	*Chapters 6: Sec 6.1-3*	*HW 15, 16*
Weeks 13	*Chapters 6: Sec 6.4, Sec 6.6*	*HW17, HW18*
Week 14	*Test 4; covered sections of Chapter 6*	
Week 15	*Review for final exam*	
May 11, Thursday@8:00am	*all covered sections of all chapters*	*Final Exam*