

MATH U315-01
Statistical Methods I
Fall 2019

Class hours: 9:25–10:40 TTh, HC265

Instructor: Dr. Steve Seunggeun Hyun

Office: Hodge Center 217
Office Hours: 10:50–1:30 TTh, or by appointment
Office Phone: (864) 503–5228
Email: shyun@uscupstate.edu

Final Exam: 8:00–11:00, Thursday, December 12, 2019

Description

Review of descriptive statistics, testing statistical hypotheses, introduction to correlation, regression and linear regression models, model building, variable selection, and model diagnostics. Prerequisite: MATH U102, or MATH U141, or ECON U291, or SOCY U201, or PSYC U225, or consent of the instructor

Textbook

A First Course in Statistical Methods, 1st Ed. by Ott & Longnecker. (ISBN-10: 0534149502)

Software and Calculator

We will use the statistical software, SAS. Knowledge of SAS, however, will not be required in order to take this course. Sample analysis in SAS will be provided throughout the course. Students are strongly encouraged to purchase a calculator with a built-in statistical package for use on homework and exams. Preferred ones are the TI-83, TI-83Plus, TI-84 and TI-84Plus.

Tests

There will be three tests and one comprehensive final examination. These tests may be of any format, multiple choice and free response.

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|------------|---|
| Test 1 | Chapters 1–4 |
| Test 2 | Chapters 5–7,10 |
| Test 3 | Chapters 11–12 |
| Final Exam | All the above Chapters and/or a project |

Homework

Homework will be given out throughout the course of the semester as we cover the material. In general, each graded homework will be worth 10 points. Late homework will be penalized **10% deduction** from your work **per day** after the assignment's due date. After 10 days, you will not be able to receive any credit.

Quizzes

Each quiz will be worth 10 points and will be announced in advance. Analyzing your quiz results and using that feedback can help you strategically plan your studying for the next test.

Grading

Your course grade will be determined based on your cumulative performance in the class.

| | |
|-------------------|------------|
| Test 1 | 100 points |
| Test 2 | 100 points |
| Test 3 | 100 points |
| Homework, Quizzes | 100 points |
| Final Exam | 100 points |

There is no formal curve given for any test. The lowest test score will be dropped, and grading for this class will be on a 400-point scale. The breakdown of the points is as follows; A: 90%–100%, B⁺: 87%–89%, B: 80%–86%, C⁺: 77%–79%, C: 70%–76%, D⁺: 67%–69%, D: 60%–66%, or F: below 60%.

Attendance

- Regular and punctual class attendance is expected of each student at the University. Because class attendance and course grade are strongly related and information that is not found in the texts will be covered in class, students are expected to attend all class sessions of this course.
- When coaches and scholarship committees ask me how certain students are performing in my class, I provide them with detailed reports which include attendance records.
- Attendance will be taken in every class meeting. You must attend at least 75% of the class meetings to receive credit for the course. **If you come to class late and/or leave early 2 times, this counts as an absence.**
- Furthermore, at the end of the semester, if there are a few grades that might be considered borderline, I carefully examine attendance records before making my final decision. Students with no more than 2 absences will be considered.

Make-up test

There will be no make-up tests or quizzes unless the instructor is notified at least 24 hours in advance that you will be missing a test or quiz. **A valid proof (e.g., a doctor's note, police report, court notice, etc.) must be given to warrant the make-up.** The make-up must be taken before the next scheduled class.

Student's Responsibility

Technical issues are **NOT** always accepted as an excuse for not keeping up with due dates, especially if you wait till last minute to do assignments. Any emails claiming problems must be accompanied with **screen shots** showing the problem. **The claim will be forwarded to IT department, Blackboard service in Columbia, and Blackboard company to investigate the issue.**

Assistance

I will make myself available to answer student questions, listen to concerns, and talk about any course-related topic. Also, you are welcome to stop by my office outside of office hours. This helps me get to know you. There are many more exciting topics to talk about that we won't have time to cover in-class.

Academic Integrity

Students have the responsibility to know and observe the Code of Student Behavior. Under the Catalog of Student Conduct for the Classroom, the Code of Academic Integrity and the USC Upstate Code of Student Behavior, students are on their honor not to cheat, lie or steal, and if they witness another student doing so, it is their responsibility to report the individual and the circumstances to the instructor or the dean of students. **Classroom behavior that seriously interferes with either 1) the instructor's ability to conduct the class or 2) the ability of other students to profit from the instructional program will not be tolerated.**

Classroom behavior

- Cell phones are not to be used in class. If there is an emergency situation, please let me know in advance and set the phone to vibrate.
- You are **NOT** allowed to use cell phones or electronic devices during the entire test or quiz.
- Be attentive to the lecture, not talking while anyone is addressing the class.
- Do not leave the classroom early during a class without permission. If you need to leave early, please let me know ahead of time.
- Be on time. If you are late, please enter as quietly as you can.

Disability Services

USC Upstate supports the ongoing development of an accessible university that embraces diversity through educational programming, services, resources, and facilities that are usable by all members of the campus community. In keeping with University policy, any student with a disability who requests academic accommodations should contact Disability Services at 503-5199 to arrange an appointment with a Disability Services staff member. Students are encouraged to seek an appointment as early in the semester as possible, as accommodations are not provided retroactively.

Note

This is a tentative syllabus and the instructor reserves the right to make adjustments as necessary.