

SPRING 2024, STATISTICS 1342, SECTIONS 005

Instructor: HIMANSHU SINGH

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Course Schedule: This class section meets on TuTh.

Section 005 HPR 253 from 9:30AM - 10:50AM

Course Website: You MUST activate your Canvas account. To do so, go to <https://uttyler.edu/canvas>. This is also the address to login. If you are registered in the course, you already have access to the course. All important documents will be posted on Canvas.

Office hours: By appointments arranged by email.

Required Text: *Statistics: Unlocking the Power of Data*, 3rd Edition, by LOCK, LOCK, LOCK MORGAN, LOCK, & LOCK, ISBN # 978-1-119-68216-5.

Course Description: Measures of central tendency and dispersion, sampling, probability, testing of hypothesis, correlation and regression, and analysis of variance.

Course Prerequisites: Appropriate score on SAT, ACT, or TSI.

Course Outline: Chapters 1-6 of the text and other chapters, in part or in full, as time permits.

Student Learning Outcomes: Upon completion of this course, students should be able to do the following.

- Explain the use of data collection and statistics as tools to reach reasonable conclusions
- Recognize, examine, and interpret the basic principles of describing and presenting data
- Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics
- Explain the role of probability in statistics
- Examine, analyze, and compare various sampling distributions for both discrete and continuous random variables
- Describe and compute confidence intervals
- Solve linear regression and correlation problems

- Perform hypothesis testing using statistical methods

Grading: Scores will be posted on Canvas. After the end of the semester, final course grades will be available on my.uttyler.edu. A final course grade of 90% is guaranteed to be at least an A, a final course grade of 80% is guaranteed to be at least a B, a final course grade of 70% is guaranteed to be at least a C, and a final course grade of 60% is guaranteed to be at least a D. All grades below D will be F. There is also the exception that your course grade cannot exceed your final exam score by more than one letter grade. This means that if you earn a C on the final exam, you cannot receive higher than a B in the class. If you earn an F on the final exam, you cannot receive higher than a D in the class. The breakdown of your final course grade into categories is given below.

Home-Works/Quizzes: 15%;

Midterm exams: 25% **each**;

Final exam: 35%.

If you have any questions about the grading of a particular quiz or exam, you must contact me no more than one week after the day I return the graded assignment in class, whether you are present during that class or not.

Attendance: It is your responsibility to attend class. Attendance is mandatory. This means, among other things, coming to class on time and prepared. Before class begins, you should turn off cell phones and any other electronic devices. Students are responsible for all announcements made during lecture.

Homework: Homework will be assigned on regular basis. Working the homework problems thoroughly is an essential part of preparing for exams.

Exams: There will be 2 midterm exams. A list of the test dates is given below. This list is preliminary and subject to change; at least one week advance notice of any change in test dates will be given.

Exam 1: Thur, Feb 22 2024

Exam 2: Thur, Mar 28 2024

Final Exam: The final exam is scheduled to be on Thur, May 2, 2024 in the comprehensive fashion.

Section 005 Th 9:30AM - 11:30AM

Cell Phones: Cell phones are not permitted in class. You must silence them and put them away before class begins.

Calculators: The use of graphing calculators and other electronic devices, including cell phones, during exams is strictly prohibited, so study accordingly.

Make-ups: No make-ups! In any cases, missed work will be assigned a 0.

Academic Integrity: Your work must be your own. Violations will be processed according to the established guidelines of the department, college, and university. Violations of academic integrity include, but are not limited to, cheating, fabrication, or plagiarizing. A range of academic sanctions may be taken against a student who engages in academic dishonesty. Below are ideas related to academic integrity.

Resources you are encouraged to utilize in this course include the textbook and unassigned problems, notes from class, assigned homework problems, your fellow Math 1342 students, the Math Learning Center, and your instructor. E-mail is the best way to contact me. I reply to email from 10:00 A.M.–4:00 P.M. Monday–Friday.

§A note about a resource NOT allowed in this course: while the internet may be a valuable resource, using it to unethically acquire answers for your work will be considered a violation of academic integrity and processed accordingly. Similarly, copying answers from other students' assignments, past or present, violates the idea that your work must be your own.

University Policies: Mon, Jan 29 is this semester's Census Date, the deadline for all registrations, schedule changes, and section changes. Monday, March 25 is the last day to withdraw from one or more courses. For university policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Course Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University-Sponsored Events and Activities, Social Security and FERPA Statement, please see the pre-loaded file on Canvas entitled as *University Policies and Information*.