This course covers concepts in frequency distributions, descriptive measures, probability, sampling, estimation, tests of hypotheses, regression, and correlation with applications to the social sciences.

**Professor**  
Marlow Lemons, Ph.D.

**Email**  
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**Office Hours**  
Tuesdays/Thursdays 8:00-9:00pm

**Contact Numbers**  
(815) 501-7417

**Required Materials**  
The course will use the following course supplies:
- Access to StatCrunch software
- Texas Instrument (TI) 83 or 84 Calculator
- Three-ring notebook with notebook paper (nothing else)
- Pencils (no pens are allowed in the course) and a large eraser

**Grading**  
You will receive a letter grade of A, B, C, D, F with the plus or minus adjustments based on your performance on written homework assignments, lab assignments, quiz assignments, a midterm exam, and a final exam.
- Homework Assignments 20%
- Lab Assignments 15%
- Quiz Assignments 15%
- Exams 50%

Students are expected to complete all handwritten course deliverables in pencil only. Any assignment written in a form other than pencil will not be graded.

Students are not allowed to give or receive help on any assignment in the course unless permitted by the professor. This includes copying or sharing answers or ideas from other students or the instructor solution manual. Evasive editing is also not permitted. Doing so would be a violation of the university’s honor policy.

Any missed assignment due to an absence will result in a grade of zero regardless of the absence. Make-up exam opportunities will be allowed only for well-documented reasons submitted to the professor in advance. The professor reserves the right to approve or deny such request.
Homework Assignments  Homework assignments give students practice in understanding and applying the course concepts. These assignments will be assigned and due on a regular basis. A student’s two lowest homework grades will be dropped prior to calculating course grades.

Lab Assignments  Lab assignments give the students practice on using statistical software, performing statistical computations, and writing up results. These assignments will be completed in or outside of the lecture, with most completed and due by the end of the lecture. A student’s lowest lab grade will be dropped prior to calculating course grades.

Quiz Assignments  Pop quizzes will be distributed throughout the semester and are typically (but not always) given during the last fifteen minutes of the course. Students that arrive late such that at least one student has already submitted the quiz will not be able to take the quiz. A student’s lowest quiz grade will be dropped prior to calculating course grades.

Exams  The course contains one midterm and one final exam. The midterm allows students to demonstrate mastery of the concepts covered up to the first half of the course and the final exam covers concepts from the second half. The midterm will be announced at least two weeks in advance. Any student that arrives after a student has submitted his or her exam will not be allowed to take it.

Honor Code  The university’s Code of Academic Integrity forbids acts of academic dishonesty including cheating, plagiarism, falsification of academic documents, and fabrication. Any student in violation or suspicion of violation will be reported to the undergraduate honor system. It is the student’s responsibility to report any questionable acts to the professor before carrying them out.

Accommodations  Any student needing a course or testing accommodation must provide the official university documentation to the professor within the first two weeks of the course.

Learning Objectives  At the end of the course, you should be able to
- plan a quantitative study
- describe sample data numerically
- apply the appropriate statistical methods to assess data
- construct valid conclusions to quantitative research questions
- write a publishable, peer-reviewed results section summarizing findings from data