



Course Number: PSYC 2317

Course Title: Psychological Statistics

Course Time: MW 11:30 – 12:45

Course Credit: 3 Semester Credit Hours (3-0)

Faculty: Dr. Angela M. Sikorski
 South Campus, ACAD Room TBA
 Email: angela.sikorski@tamut.edu
 Phone: 903-223-3018

Office Hours: TBA.

Prerequisites: 3 SCH of mathematics at the level of College Algebra or above.

Course Description: This course will discuss the concepts and statistical procedures of data analysis used in the behavioral sciences. In the course students will learn ways to describe data (descriptive statistics) and methods of evaluating hypotheses and testing psychological theories (inferential statistics) using examples from the psychological literature. Specific topics will include t-test, ANOVA, correlation, regression and non-parametric tests.

Course Schedule: NOTE: This schedule is tentative. I reserve the right to alter the schedule as necessary.

Week	Dates	Modules	Assignments
1	1/19	Course introduction & Chapter 1: Introduction to statistics	
2	1/24 & 1/26	Chapter 2: Stats in scientific research	
3	1/31 & 2/2	Chapter 3: Frequency distributions & graphs	
4	2/7 & 2/9	Chapter 3 continued ***Exam 1: Ch. 1 – 3***	Asgn 1 due
5	2/14 & 2/16	Chapter 4: Measures of central tendency Chapter 5: Measures of variability	
6	2/21 & 2/23	Chapter 6: The normal distribution	

7	2/28 & 3/23	Chapter 7: Statistics for Inference and Estimation ****Exam 2: Ch. 4 – 6****	Asgn 2 due
8	3/7 & 3/9	Chapter 8: Introduction to Statistical Hypothesis Testing	
9	3/14	<i>SPRING BREAK...ENJOY!</i>	
10	3/21 & 3/23	Chapter 9: The Basics of Experimentation	
11	3/28 & 3/30	Chapter 10: One-factor <i>between</i> subjects ANOVA	
12	4/4 & 4/6	****Exam 3: Ch. 8 – 10**** Chapter 11: Two-factor between subjects ANOVA	Asgn 3 due
13	4/11 & 4/13	Chapter 12: One-factor <i>within</i> subjects ANOVA	
14	4/18 & 4/20	Chapter 13: Correlation	
15	4/25 & 4/27	Chapter 13, cont. ****Exam 4: Ch. 11-13****	Asgn 4 due
	5/2 5/4	Chapter 14: Regression Chapter 15: Non-parametric tests	
	5/9 5/11	Chapter 15, continued ****Exam 5: Ch. 14 & 15****	Asgn 5 due

Text:

Statistical Concepts for the Behavioral Sciences, 4/E

Harold O. Kiess, *Framingham State College, Emeritus*

Bonnie A. Green, *East Stroudsburg State University*

ISBN-10: 0205626246

ISBN-13: 9780205626243

Publisher: Pearson

Student Learner Outcomes: At the end of the course students will 1) know the statistical vocabulary and techniques necessary to become statistically literate so that they can evaluate the appropriateness of statistical methodology and results reported in behavioral research, 2) understand the general procedures for testing research hypotheses, and 3) understand the basic statistical concepts necessary to study more advanced statistical topics.

Exams (150 points): There are five in-class examinations. Each exam will be worth 30 points. Students may bring notes written on one side of an 8.5" x 11" sheet of paper, and may use a calculator. Any notes used during the exam must be turned in with the exam. Failing to take the exam during its assigned class period will 0. Only in the case of a documented emergency or with my prior approval will make-up exams be allowed. **NO EXCEPTIONS.**

Assignments (100 points): There will be 5 take-home assignments each worth 20 points. To earn full credit on the assignments students must *carefully and thoughtfully answer* the question and must show their work if math is required. Assignments are due at the beginning of class on the due date and can be turned in via email or in person. The written portion of assignments must be typed. Late assignments quizzes will not be accepted. **NO EXCEPTIONS.**

Grading Scale:	Points	Percent	Grade
	225-250	90-100	A
	200 - 224	80-89	B
	175 - 199	70-79	C
	150 - 175	60-69	D
	Below 150	0 -59	F

Class Attendance and Participation: Attendance is required in this course and is critical for you to perform well in the course. Instructors have the right to begin an administrative drop process on students who miss more 3 classes. If you are unable to attend class it is your responsibility to contact me.

Statement of ADA: Students with disabilities may request reasonable accommodations through the A&M-Texarkana Disability Services Office by contacting Carl Greig, Aikin room 223 or calling 903-223-3062.

Academic Dishonesty: “Academic honesty is expected of students enrolled in this course. Cheating on examinations, unauthorized collaboration, falsification of research data, plagiarism, and copying or undocumented use of materials from any source constitute academic dishonesty, and may be grounds for a grade of “F” in the course and/or disciplinary action. The student is responsible for reading and understanding the University Policy on Academic Integrity” (Faculty Senate Statement on Academic Honesty). Any act of academic dishonesty will normally result in an “F” in this course and referral to the university judicial system.

A&M-Texarkana Email Address: Upon application to Texas A&M University-Texarkana an individual will be assigned an A&M-Texarkana email account. This email account will be used to deliver official university correspondence. Each individual is responsible for information sent and received via the university email account and is expected to check the official A&M-Texarkana email account on a frequent and consistent basis. Faculty and students are required to utilize the university email account when communicating about coursework.