

Course Syllabus

EHRD 489
Introductory Applications of Statistics in HRD
Fall, 2007
Texas A&M University

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Class Times
Section 501 TR 9:35-10:50
Section 502 TR 11:10-12:25
Section 503 TR 2:20-3:35

Final
Friday, December 7, 12:30-2:30
Friday, December 7, 3:00-5:00
Wednesday, December 13, 1:00-3:00

I. Course Description

This is an introductory level course in quantitative statistics which is designed to help the student become a wise consumer of statistical research – not to turn the student into a practicing statistician. The focus of the course will be on the understanding, calculation, and application of basic statistical methods prevalent in human resource development (HRD).

II. Rationale

The course will introduce the accepted procedures for generating, analyzing, and interpreting quantitative data and evaluating published HRD research. Students will become familiar with the language and terminology of statistics and learn how to compute and interpret basic statistical measures. The course will also incorporate SPSS as a tool to calculate statistical measures.

III. Prerequisite

Classification as a Junior or Senior or instructor approval.

IV. Materials List

Salkind, N. J. (2004). *Statistics for people who (think they) hate statistics* (2nd ed.). Thousand Oaks, CA: SAGE Publications.

Please bring a basic calculator to all class meetings.

SPSS software will be used for most analyses.

V. Learning Outcomes

Upon completion of this class, students will be able to:

1. discuss the field and study of basic statistics and the most commonly used techniques used to organize and make sense of data.

2. compute, interpret, and differentiate between various measures of central tendency and variability.
3. create and assess different types of charts.
4. compute and interpret measures of association and prediction.
5. discuss the basic principles of sampling, hypothesis testing, probability, statistical significance, and Type I and II error.
6. compute and interpret standard scores.
7. compute and interpret tests between the means of different groups.
8. compute and interpret tests between the means of related groups.
9. compute and interpret one-way analysis of variance.
10. evaluate the statistical methods within published research in HRD.

Requirements

1. Students are required to attend class prepared to take part in discussions and class activities
2. Students are expected to complete all assigned readings, outside assignments, and homework. Written assignments must be typed and turned in on time. Assignments are due at the beginning of class on the dates established in class. Please do not e-mail assignments to the instructor. Late work will not be accepted.
3. Quizzes will be given at the beginning of class. Students who are absent or late to class will not be allowed to make-up missed quizzes.
4. Students are expected to conduct themselves in a manner that is respectful of all classmates and conducive to learning. Therefore, please turn-off all cell phones prior to the beginning of class.
5. Students not meeting these requirements may be dismissed from class and evaluated as an absence from class.

VI. Grading Policies

Student grades will be assessed according to the following criteria:

Unit Exams (4)	400 points
Quizzes/Outside Assignments	<u>100 points</u>
	500 points

500 – 450 points	A
449 – 400 points	B
399 – 350 points	C
349 – 300 points	D
299 and below	F

VII. Attendance Policy

All students are expected to attend and participate in every class.

The professor must be notified prior to exam time if an exam must be missed (due to illness, etc.). The absence must be considered excused by the

university and written documentation provided on the day the student returns to class for a make-up test to be administered. Make-up tests will be administered on Tuesday, December 4th, the last day of the semester at 6:30am in Read 167.

VIII. Aggie Code of Honor

Aggies do not lie, cheat, or steal, nor tolerate those who do.

The Aggie Code of Honor is an effort to unify the aims of all Texas A&M men and women toward a high code of ethics and personal dignity. For most, living under this code will be no problem, as it asks nothing of a person that is beyond reason. It only calls for honesty and integrity, characteristics that Aggies have always exemplified. The Aggie Code of Honor functions as a symbol to all Aggies, promoting understanding and loyalty to truth and confidence in each other.

All students are expected to abide by the Aggie Honor Code. Students should be aware of all Honor Council Rules and Procedures on the Honor Council website at www.tamu.edu/aggiehonor.

IX. Plagiarism

As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc. which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

X. Use of Copyrighted Material

The materials used in this course are copyrighted. These materials include but are not limited to syllabi, quizzes, exams, lab problems, in-class worksheets, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the materials unless permission is expressly granted.

XI. Americans with Disabilities Act

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Disability Services in Room B118 of Cain Hall or call 845-1637. Helpful information is located at <http://disability.tamu.edu>.