

Fayetteville State University
Department of Psychology
Psychology 233 T/Th
Statistics for Psychology Spring 2012

Instructor

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Introduction

I have compiled a number of resources for the course. The most important of these is the homework packet (<http://faculty.uncfsu.edu/dwallace/233HW.pdf>), which you should print and use to practice the problems. The sample exams it contains will be very similar to the exams you will be taking. Answers to all problems are located at the end of the file. You must practice the problems in order to do well on the exams!

In addition, lecture notes are located on the web page. Study the lessons closely so you can work the practice problems and exams in the homework packet. The book follows closely both the lecture notes and the problems in the homework packet. Use the book for additional information about how to work the problems in the homework packet. Each section of the homework packet gives information about what will be contained on each exam, and where any discrepancies exist between the lecture notes and information in the text.

Your grade will be based on your performance on five timed exams. Thus, there is no grade for homework.

FSU Policy on Electronic Mail: Fayetteville State University provides to each student, free of charge, an electronic mail account (username@uncfsu.edu) that is easily accessible via the Internet. The university has established FSU email as the primary mode of correspondence between university officials and enrolled students. Inquiries and requests from students pertaining to academic records, grades, bills, financial aid, and other matters of a confidential nature must be submitted via FSU email. Inquiries or requests from personal email accounts are not assured a response. The university maintains open-use computer laboratories throughout the campus that can be used to access electronic mail. Rules and regulations governing the use of FSU email may be found at <http://www.uncfsu.edu/PDFs/EmailPolicyFinal.pdf>

Course Description

This course is a standard introductory course for the behavioral sciences. Basic statistical theory and techniques appropriate to psychology and related fields; introduction to statistical inference and the testing of hypotheses. Prereq: PSYC 210 and a "C" or better in MATH 123

Disabled Student Services: In accordance with Section 504 of the 1973 Rehabilitation Act and the Americans with Disabilities Act (ACA) of 1990, if you have a disability or think you have a disability to please contact the Center for Personal Development in the Spaulding Building, Room 155 (1st Floor); 910-672-1203.

Course Resources

Required Text: Grevetter, F & Wallnau, L. (1999). Essentials of Statistics (6th ed.): Brooks/Cole.

Homework Packet: <http://faculty.uncfsu.edu/dwallace/packet.html> for printable version

Student Learning Outcomes - Upon completion of this course, students will be able to:
Compute and evaluate the appropriateness of conclusions derived for basic research questions.

Use critical thinking more effectively.

Engage in creative thinking.

Use appropriate software to produce understandable reports of the psychological statistical and qualitative analyses, including graphic representations of data.

Demonstrate these computer skills:

- a. Use basic word processing, database, email, spreadsheet, and data analysis programs
- b. Search the World Wide Web for high quality information
- c. Use proper etiquette and security safeguards when communicating through email

Demonstrate effective writing skills.

Exhibit quantitative literacy.

Demonstrate effective interpersonal communication skills.

Exhibit the ability to collaborate effectively.

Evaluation

Exams: There will be four one-hour non-comprehensive exams worth 50 points each, and a two-hour final comprehensive exam worth 65 points. See the course schedule for exam days/times.

Lab: There will be 4 lab assignments due on assigned days as printed in the course schedule (7 points each). Labs will consist of running the statistical tests we learn to compute by hand on the computer using SPSS. Labs will be conducted online. You can view these assignments anytime at the website listed above.

Help Sessions: The fourth hour of class (scheduled lab time) will consist of informal help sessions where students can work on homework problems and get individual help. These sessions are required and will count for the final 7 points available in the course.

Final grades will be determined according to the following schedule:

A = 270- 300 points

B = 240-269 points

C = 210-239 points

D = 180-209 points

F = 179 points and below

**Department of Psychology
PSYC 233 Course Schedule
Spring 2011**

<u>Assignment</u>	<u>Date</u>
Text Chapters 1- 3, Online Lessons 1-4 Exam 1	January 26
Text Chapters 4-6, Online Lessons 5-8 Exam 2	February 16
Text Chapters 7-8, Online Lessons 9-12 Exam 3	March 15
Lab 1	March 29
Lab 2	April 5
Text Chapters 9, 10, and 13 Online Lessons 13-16 Exam 4	April 5
Lab 3	April 19
Lab 4	April 26
Text Chapters 15-16 Online Lesson 17-20 Final Exam	May 3, 8am-12

Academic Dishonesty Policy and Procedures

Academic dishonesty is the giving, taking, or presenting of information or material by a student with the intent of unethically or fraudulently aiding oneself or another on any work which is to be considered in the determination of a grade or the completion of academic requirements. Please refer to the student handbook for details.

Teaching Strategies

Examination:

Multiple choice/Computation/Open ended

Use of Technology

SPSS statistical software

Classroom Participation

Discussion/ Debate

Socratic Question/ Answer

Verbalization of information or evidence of critical thinking

Note taking

Group self-teaching

Bibliography:

Gravetter, F. J., & Wallnau (2002). *Essentials of statistics for the behavioral sciences* (4th ed). Pacific Grove, CA: Wadsworth.

Hays, W. (1994). *Statistics* (5th ed.). Orlando, FL: Harcourt Brace.

Howell, D. C. (1999). *Fundamental statistics for the behavioral sciences* (4th ed). Pacific Grove, CA: Duxbury Press.