Fayetteville State University
College of Arts and Sciences
Department of Psychology
PSYC 233-50 (CRN 6478) Statistics for Psychology
Fall 2009 (FSU-Bragg Term I)
August 24 – October 14

I. Locator Information:

Instructor: Dr. David Allen
Course # and Name: PSYC 233-50 Statistics for Psychology
Semester Credit Hours: 4
Day and Time Class Meets: M/W 6:00pm – 8:30pm
Total Contact Hours for Class: 40
Email address: dallen@uncfsu.edu

Office Location: FSU Chick Bldg, Office 111
Office hours: T/Th: 10am-12pm; 3pm-5pm, and by appointment
Office Phone: 910-672-1625
Class Location: FSU-Ft. Bragg, e-ArmyU Bldg 2-1105, Stack B/3rd Fl Lab (Corner of Reilly and Macomb)

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

II. Course Description: Basic statistical theory and techniques appropriate to psychology and related fields; introduction to statistical inference and the testing of hypotheses. This course includes a lab which incorporates the use of computer packages for statistical analyses. Prerequisite: MATH 123 and PSYC 210.

III. 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.

IV. Textbook: Grevetter, F. & Wallnau, L. (2008). Essentials of Statistics (6th ed.). Belmont, CA: Thomson and Wadsworth. ISBN-13: 978-0-495-38394-0.

V. Student Learning Outcomes – Upon completion of this course, students will be able to:

A. Explain the role of statistical analysis and research.
B. Compute and interpret descriptive statistics.
C. Compute and interpret correlation and regression analyses.
D. Develop and test statistical hypotheses.
E. Test and interpret statistical hypotheses when population parameters are known.
F. Test and interpret statistical hypotheses when population parameters are unknown.
G. Compute and interpret the Analysis of Variance.
H. Compute and interpret correlation and regression
I. Computer and interpret Chi-Square
J. Input data using SPSS.
K. Compute each statistical test using SPSS.

VI. Course Requirements and Evaluation Criteria -

A. **Grading Scale** – The total points that can be earned in this class is 300. Final grades will be determined based on the following schedule:

A = 270-300 pts
B = 240-269 pts
C = 210-239 pts
D = 180-209
F <= 179 pts

B. **Attendance Requirements** – "Students are expected to attend ALL class meetings, laboratories, and other instructional sessions for all courses in which they are enrolled." (FSU Undergraduate Catalog 2008-09, p. 79.) Students with

"excessive absences" (i.e., exceeding 10% of the total contact hours) must either withdraw from the class or resume attendance. If you must miss class(es) for unavoidable reasons, *contact me in advance*. See catalog for more details.

C. **Graded Assignments** -- The 300 points for this course will be derived from exams (260 pts.) and labs (40 pts). There will be a total of 4 exams worth a sum of 260 points. This will include four in-class, one-hour , non-comprehensive exams worth 50, 60, 70 points, and 80 points, respectively. There will be 4 labs worth 10 points each. The labs are due on the assigned days as printed in the course schedule below. Labs will consist of running the statistical tests using SPSS. Labs will be conducted online. You can view these assignments anytime at **http://faculty.uncfsu.edu/dwallace**. Homework will be assigned but not graded. Key to your success is keeping up with the material; so, do the homework!

D. **Value of Each Assignment** – Exams represent 87% of your grade while labs represent 13%.

E. **Policy on Missed or Late Assignments** – Do not miss or be late on an assignment! Make-ups are NOT encouraged, will be more difficult, and will be authorized only on a case-by-case basis. Late assignments will be penalized. Missing an exam without make-up is an automatic failure of that exam.

F. **Other** –

i. Study! This class meets five (5) hours per week; you will therefore need fifteen (15) hours a week to study for this class. Statistics is a challenging course and if you only put in a couple of hours per week studying for this class, you most likely will not be successful.

ii. Be on time! Tardiness will be penalized after your first day of class. Therefore, make arrangement, plan ahead to get through the traffic and Ft. Bragg security gates (allow AT LEAST 20 minutes!), and be on time.

iii. Integrity! Do you own work. Academic honesty is assumed, defined and enforced per FSU Catalog and Student Handbook.

iv. Class Behavior: (See below)

FSU Policy on Disruptive Behavior in the Classroom

The *Code of the University of North Carolina* (of which FSU is a constituent institution) and the *FSU Code of Student Conduct* affirm that all students have the right to receive instruction without interference from other students who disrupt classes.

FSU Core Curriculum Learning Outcome under Ethics and Civic Engagement (6.03): All students will "prepare themselves for responsible citizenship by fulfilling roles and responsibilities associated with membership in various organizations." Each classroom is a mini-community. Students learn and demonstrate responsible citizenship by abiding by the rules of classroom behavior and respecting the rights all members of the class.

The FSU Policy on Disruptive Behavior (see FSU website for complete policy) identifies the following behaviors as disruptive:

1. Failure to respect the rights of other students to express their viewpoints by behaviors such as repeatedly interrupting others while they speak, using profanity and/or disrespectful names or labels for others, ridiculing others for their viewpoints, and other similar behaviors;
2. Excessive talking to other students while the faculty member or other students are presenting information or expressing their viewpoints.
3. Use of cell phones and other electronic devices
4. Overt inattentiveness (sleeping, reading newspapers)
5. Eating in class (except as permitted by the faculty member)
6. Threats or statements that jeopardize the safety of the student and others
7. Failure to follow reasonable requests of faculty members
8. Entering class late or leaving class early on regular basis
9. Others as specified by the instructor.

The instructor may take the following actions in response to disruptive behavior. Students should recognize that refusing to comply with reasonable requests from the faculty member is another incidence of disruptive behavior.

1. Direct student to cease disruptive behavior.
2. Direct student to change seating locations.
3. Require student to have individual conference with faculty member. At his meeting the faculty member will explain the consequences of continued disruptive behavior.
4. Dismiss class for the remainder of the period. (Must be reported to department chair.)
5. Lower the student's final exam by a maximum of one-letter grade.
6. File a complaint with the Dean of Students for more severe disciplinary action.

Students who believe the faculty member has unfairly applied the policy to them may make an appeal with the faculty member's department chair.

VII. Academic Support Resources – YOU are the best academic resource for this class. Excel by coming to class (on time), keeping up with material, study for short bursts not long marathon sessions, do readings/homework BEFORE class, pay attention DURING class, test yourself regularly, seek peer tutoring as necessary, and do NOT be embarrassed to ask for help! Take advantage of the University College Learning Center for math help: Chick Bldg, Rm 216A and 216C, 672-1394 (see link below). MATH LAB: http://www.uncfsu.edu/learningcenter/math

VIII. Course Outline and Assignment Schedule

DATE	TOPIC	ASSIGNMENT ***BEFORE*** NEXT CLASS
AUG 24 M	OVERVIEW AND CHP 1	CHP 1
AUG 26 W	CHP 1	CHP 2,3
AUG 31 M	CHP 2,3	• CHP 4 • ONLINE LESSONS 1-4
SEP 2 W	• **EXAM 1** (CHPS 1-3) 50 PTS • CHP 4	CHP 5, 6
SEP 7 M	***NO CLASS HOLIDAY***	
SEP 9 W	CHP 4, 5	• CHP 6, 7 • ONLINE LESSONS 5-8
SEP 14 M	CHP 6, 7	• CHP 8 • ONLINE LESSONS 9-12
SEP 16 W	• **EXAM 2** (CHPS 4-7) 60 PTS • CHP 8	• CHP 8,9 • LAB 1 (10 PTS)
SEP 21 M	CHP 8 LAB 1 DUE	CHP 9
SEP 23 W	CHP 9	• CHP 10 • ONLINE LESSONS 13-16 • LAB 2 (10 PTS)
SEP 28 M	CHP 10 LAB 2 DUE	CHP 13
SEP 30 W	• **EXAM 3** (CHP 8-10) 70 PTS • CHP 13	• CHP 13,15 • LAB 3 (10 PTS)
OCT 5 M	CHP 13 LAB 3 DUE	CHP 15
OCT 7 W	CHP 15	• CHP 16 • ONLINE LESSON 17-20 • LAB 4 (10 PTS)
OCT 12 M	CHP 16 LAB 4 DUE	CHP 13, 15, 16
OCT 14 W	**FINAL EXAM** (CHP 13, 15, 16) 80 PTS	

IX. Teaching Strategies

A. An ungraded pre-test will be administered on the first day of class.
B. Students will be paired into support teams.

X. Bibliography

A. Heaey, Joseph. Statistics: A Tool for Social Research (2005-09, 8th edition).
B. SPSS CLASS NOTES WITH ONLINE MOVIE LESSONS:
   i. http://www.ats.ucla.edu/stat/spss/notes2/default.htm
C. What statistical analysis should I use?
   i. http://www.ats.ucla.edu/stat/sas/whatstat/default.htm
D. Other helpful links:
   i. http://www.pinkmonkey.com/studyguides/subjects/stats/contents.asp
   ii. http://people.richland.edu/james/lecture/m170/

Key tools for this course can be found at:
http://faculty.uncfsu.edu/dwallace

1 Lecture Notes
2 Homework Packet (problems/solutions)
3 Lab Assignments