

Fayetteville State University
College of Arts and Sciences
Psychology
PSYC 233-D1; Statistics for Psychology
Spring 2012

I. Locator Information:

Instructor: Matthew J. Lindberg, Ph.D.
Course # and Name: PSYC 233 - Statistics for Psychology
Office Location: Rm 210-NERC
Day and Time Class Meets: Online
Semester Credit Hours: 4

Office hours: MWF 10-12, W 2-4:00
Office Phone: (910)-672-1260
Total Contact Hours for Class: _____
Email address: mlindber@uncfsu.edu

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: 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 MATH 123

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. (2010). Essentials of Statistics (7th ed.): Wadsworth Publishing.

V. Student Learning Outcomes -Upon completion of this course, students will be able to: (list learning outcomes below)

- 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
- J. Input data using SPSS.
- K. Compute each statistical test using SPSS.

VI. Course Requirements and Evaluation Criteria -

Exams (265 points): 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. Exams will be multiple-choice and will be completed on BlackBoard.

Discussion Board Questions (DBQ) (39 points): For each chapter there will be a few open-ended questions for the discussion board. You are to answer one of the questions yourself in your own words and respond to the posts of two other students. Each set of discussion questions will be worth 3 points for a total of 39 points. The point breakdown will be 1 point for the quality of the work and 1 point for each response. The due dates for discussion board questions are listed in the course schedule. Individuals who do not contribute to the discussion by the due date will receive a 0 for the DBQ. Late work will not be accepted for discussion board questions. Discussion posts are due on Mondays by 10pm. Responses to other students posts are due on Tuesdays by 10pm.

Home Work (HW) (60 points): Keeping up with the material and practicing problems is the best way to learn statistics. Each chapter will have assigned homework worth 5 points (12 chapters= 60 points). This will be available on Blackboard. The homework will appear like a quiz in Blackboard. Unlike a quiz you can take it multiple times and there is no time limit when you are working on it. Homework is to be completed no later than 10pm on Thursdays. Late work will not be accepted. Additionally, it is recommended that students work additional problems and examples in the textbook even though a grade will not be associated with this additional practice. Each chapter has learning checks after each section as well as problems at the end of each chapter. The odd problems at the end of each chapter have answers in the back of the book.

LABs (36 points): There will be nine lab assignments, one for each chapter (with the exception of chapters 6, 7, & 8) and will be due Wednesdays by 10 pm. Labs will consist of running the statistical tests we learn to compute by hand on the computer using SPSS. Late work will not be accepted. Further details regarding lab assignments will be provided.

Final grades will be determined according to the following schedule:

- A = 360- 400 points
- B = 320- 359 points
- C = 280- 319 points
- D = 240- 279 points
- F = 239 points and below

Please note: If these evaluation criteria must be revised because of extraordinary circumstances, the instructor will distribute a written amendment to the syllabus.

VII. Course Outline and Assignment Schedule

Weekly Schedule						
Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Reading, Studying, & Practice Problems	Reading, Studying, & Practice Problems	DBQ post due by 10:00pm	DBQ responses due by 10:00pm	LAB assignment due by 10:00pm	Chapter HW due by 10:00 pm	Reading, Studying, & Practice Problems

Schedule by Weeks

Week 1	Day	Date	Material	Assignments
	Saturday	7-Jan	Introduction	
	Sunday	8-Jan		
	Monday	9-Jan		Intro. Post
	Tuesday	10-Jan		Intro. Reply
	Wednesday	11-Jan		Citrix
	Thursday	12-Jan		Math Skills
	Friday	13-Jan		
Week 2	Day	Date	Material	Assignments
	Saturday	14-Jan	Chapter 1	
	Sunday	15-Jan		
	Monday	16-Jan		DBQ-1 post
	Tuesday	17-Jan		DBQ-1 reply
	Wednesday	18-Jan		LAB-1
	Thursday	19-Jan		HW-1
	Friday	20-Jan		
Week 3	Day	Date	Material	Assignments
	Saturday	21-Jan	Chapter 2	
	Sunday	22-Jan		
	Monday	23-Jan		DBQ-2 post
	Tuesday	24-Jan		DBQ-2 reply
	Wednesday	25-Jan		LAB-2
	Thursday	26-Jan		HW-2
	Friday	27-Jan		
Week 4	Day	Date	Material	Assignments
	Saturday	28-Jan	Chapter 3	
	Sunday	29-Jan		
	Monday	30-Jan		DBQ-3 post
	Tuesday	31-Jan		DBQ-3 reply
	Wednesday	1-Feb		LAB-3
	Thursday	2-Feb		HW-3
	Friday	3-Feb		Exam 1 Opens
Week 5	Day	Date	Material	Assignments
	Saturday	4-Feb	Chapter 4	

	Sunday	5-Feb		
	Monday	6-Feb		DBQ-4 post
	Tuesday	7-Feb		DBQ-4 reply
	Wednesday	8-Feb		LAB-4
	Thursday	9-Feb		HW-4
	Friday	10-Feb		Exam 1 Closes
Week 6	Day	Date	Material	Assignments
	Saturday	11-Feb	Chapter 5	
	Sunday	12-Feb		
	Monday	13-Feb		DBQ-5 post
	Tuesday	14-Feb		DBQ-5 reply
	Wednesday	15-Feb		LAB-5
	Thursday	16-Feb		HW-5
	Friday	17-Feb		
Week 7	Day	Date	Material	Assignments
	Saturday	18-Feb	Chapter 6	
	Sunday	19-Feb		
	Monday	20-Feb		DBQ-6 post
	Tuesday	21-Feb		DBQ-6 reply
	Wednesday	22-Feb		No LAB
	Thursday	23-Feb		HW-6
	Friday	24-Feb		Exam 2 Opens
Week 8	Day	Date	Material	Assignments
	Saturday	25-Feb	Review	
	Sunday	26-Feb		
	Monday	27-Feb		
	Tuesday	28-Feb		
	Wednesday	29-Feb		
	Thursday	1-Mar		
	Friday	2-Mar		Exam 2 Closes
Week 9	Day	Date	Material	Assignments
	Saturday	3-Mar	Midterm break	No Class
	Sunday	4-Mar	Midterm break	No Class
	Monday	5-Mar	Midterm break	No Class
	Tuesday	6-Mar	Midterm break	No Class
	Wednesday	7-Mar	Midterm break	No Class
	Thursday	8-Mar	Midterm break	No Class
	Friday	9-Mar	Midterm break	No Class
Week 10	Day	Date	Material	Assignments
	Saturday	10-Mar	Chapter 7	
	Sunday	11-Mar		
	Monday	12-Mar		DBQ-7 post
	Tuesday	13-Mar		DBQ-7 reply
	Wednesday	14-Mar		No LAB

	Thursday	15-Mar		HW-7
	Friday	16-Mar		
Week 11	Day	Date	Material	Assignments
	Saturday	17-Mar	Chapter 8	
	Sunday	18-Mar		
	Monday	19-Mar		DBQ-8 post
	Tuesday	20-Mar		DBQ-8 reply
	Wednesday	21-Mar		No LAB
	Thursday	22-Mar		HW-8
	Friday	23-Mar		Exam 3 Opens
Week 12	Day	Date	Material	Assignments
	Saturday	24-Mar	Chapter 9	
	Sunday	25-Mar		
	Monday	26-Mar		DBQ-9 post
	Tuesday	27-Mar		DBQ-9 reply
	Wednesday	28-Mar		LAB-9
	Thursday	29-Mar		HW-9
	Friday	30-Mar		Exam 3 Closes
Week 13	Day	Date	Material	Assignments
	Saturday	31-Mar	Chapter 10	
	Sunday	1-Apr		
	Monday	2-Apr		DBQ-10 post
	Tuesday	3-Apr		DBQ-10 reply
	Wednesday	4-Apr		LAB-10
	Thursday	5-Apr		HW-10
	Friday	6-Apr	University closed	
Week 14	Day	Date	Material	Assignments
	Saturday	7-Apr	Chapter 13	
	Sunday	8-Apr		
	Monday	9-Apr		DBQ-13 post
	Tuesday	10-Apr		DBQ-13 reply
	Wednesday	11-Apr		LAB-13
	Thursday	12-Apr		HW-13
	Friday	13-Apr		Exam 4 Opens
Week 15	Day	Date	Material	Assignments
	Saturday	14-Apr	Chapter 15	
	Sunday	15-Apr		
	Monday	16-Apr		DBQ-15 post
	Tuesday	17-Apr		DBQ-15 reply
	Wednesday	18-Apr		LAB-15
	Thursday	19-Apr		HW-15
	Friday	20-Apr		Exam 4 Closes
Week 16	Day	Date	Material	Assignments
	Saturday	21-Apr	Review	

	Sunday	22-Apr		
	Monday	23-Apr		
	Tuesday	24-Apr		
	Wednesday	25-Apr	Exam 5 (Final exam) Opens	
	Thursday	26-Apr		
	Friday	27-Apr		
Week 17	Day	Date	Material	Assignments
	Saturday	28-Apr		
	Sunday	29-Apr		
	Monday	30-Apr		
	Tuesday	1-May		
	Wednesday	2-May	Exam 5 (Final exam) Closes	
	Thursday	3-May		
	Friday	4-May		

VII. Teaching Strategies

This course will be taught online at <http://blackboard.uncfsu.edu/>. For this reason, please make sure that your computer meets or exceeds the minimum requirements outlined by our support staff. All students must familiarize themselves with all sections of this website and check this website daily. You are expected to be an independent learner and, thus, expected to comply with all set deadlines WITHOUT reminders. Learning will be assessed through discussion board participation, LABs, Homework (HW), and exams.

PowerPoint slides will be available for each chapter as well as chapter outlines and summaries. Students are expected to read each section of each chapter. Each chapter is divided into sections with step-by-step examples as well as learning check practice problems after each section. Additionally, most chapters have a “Focus on Problem Solving” section that provides tips to students in working through problems. There is also another “Demonstration” at the end of each chapter that works through a sample problem. A review of these materials for each chapter is highly recommended.

Students are STRONGLY encouraged to post questions to the class discussion board. This allows other students to benefit from seeing both the question as well as the answer. Students may also email me the instructor directly with questions as well. Supplemental materials and examples will be provided as necessary.

Examination:

Multiple choice/Computation/Open ended

Use of Technology

SPSS statistical software

Classroom Participation

Discussion Board

Verbalization of information or evidence of critical thinking

Note taking

Self-teaching