

Online Bachelor Completion Program Pre-Syllabus

Class ID/Title and Quarter/Year: Psychology 221, Statistics for Behavioral Science, Fall 2009

Professor: James L. Bruning Ph.D., Trustee Professor of Psychology

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Prerequisites: Placement Level 2 or Higher or Math113 or 115 or 163a or 263a or 266a and *not* Math251 or Psy121 or Qba201

Required and Optional Materials:

Text(s):

Howell, David C. Fundamental Statistics for the Behavioral Sciences, 6th edition, (Thomson/Wadsworth) 2008. ISBN: 10: 0495099000
Bruning, J. L. and Kintz, B. L., Computational Handbook of Statistics, 4th edition, (Addison-Wesley-Longman), 1997 ISBN: 0673990850

A complete set of Study Guides is presented on Blackboard to assist in understanding the material.

Additional or Optional Materials: Four Data Analysis projects are required for this course. To complete these projects, a statistical software package called **Minitab** will have to be purchased (cost will be approximately \$30). Instructions for purchase and download will be given after the term starts.

Learning Objectives: The course objectives are to help students to: 1) identify and understand the appropriate statistical procedures and tests and then, apply them appropriately to data, 2) make and understand the appropriate calculations to carry out those tests, 3) draw appropriate conclusions regarding what those calculations and test results mean, and, 4) learn to use statistical software to analyze data, and, write short research reports summarizing the results of those analyses.

Course Description: Weekly Submitted Lessons (60-85 questions each) are required over the course of the 10 week quarter. In addition, four computer Projects, and, a Midterm and a Final exam are required (considered as Lessons 5 and 10 respectively, and, taken hardcopy). Grades are based on the sum of points earned on the Submitted Lessons (approximately 45% of the final grade) + Projects (approximately 10%) + Midterm (approximately 20%) + Final Exam (approximately 25%). If you are in or near Athens, you can take the exams in Room 018 of Haning Hall. If you are away from Athens (Bachelor's Completion program and near a Regional Campus, or, completely away from all OU campuses), no problem; you will be given instructions regarding taking the exams and scheduling a proctor.

Exam Requirements: In addition to the weekly Submitted Lessons (60-85 questions each) that are required over the course of the 10 week quarter, four computer Projects, and, a Midterm and a

Final exam are required (considered as Lessons 5 and 10 respectively, and, taken hardcopy). Exams are open book with notes, books, etc. allowed.

Proctoring requirements: Both the Midterm and Final exams require that a proctor be present. This will not be difficult to arrange and instructions will be sent later.