

Online Bachelor Completion Program Pre-Syllabus

Class ID and Title:

PSY 221 - Statistics for the Behavioral Sciences

Quarter and Year: Winter 2010

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

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Course Description and Prerequisites:

Introduction to descriptive and inferential statistics with emphasis on inferential statistics.

Prerequisites: (PLACEMENT LEVEL 2 OR HIGHER OR MATH 113 OR 115 OR 163A OR 263A OR 266A) & (NOT MATH 251 OR PSY 121 OR QBA 201)

Learning Objectives:

After successfully completing this course, you will be able to:

1. Identify appropriate statistical procedures and tests and then, apply them appropriately to data.
2. Use the appropriate calculations to carry out those tests.
3. Draw appropriate conclusions regarding what those calculations and test results mean.
4. Use statistical software to analyze data.
5. Write short research reports summarizing the results of analyses.

General Course Requirements:

10 lessons (60-85 questions each)

4 statistical analysis projects

2 exams (a midterm and a final)

Required and Optional Materials:

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 provided via the University's Learning Management System (Blackboard) to assist in understanding the material.

Exam Requirements:

Number of exams: There will be two exams – a midterm and a final.

Proctoring requirements: Yes – both the midterm and final must be proctored; instructions on how to find and schedule a proctor will be provided at the start of the course.

Special examination requirements:

Exams are "paper and pencil," but are open book with written notes, outlines, etc. also permitted. A calculator is needed.