

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

Transfer course A.A. degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: Psychology/Sociology 205L
Data Analysis in Psychology and Sociology

UNIT VALUE: 1

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS:

Appropriate computational skills

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: Psyc/Soc 205

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

The course teaches behavioral students how to use the computer as a tool for calculating statistics and exploring data.

SPECIFIC COURSE OBJECTIVES:

Successful students will be able to:

1. manipulate data in a statistical program to produce descriptive statistics, inferential statistics and statistical graphs
2. merge these results into a word processing document as part of a research report
3. evaluate the implications of their results

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

Students will:

1. enter data into a statistical computer program
2. graph data using a computer program
3. produce descriptive statistics - mean, mode, variance, standard deviation, correlation coefficient

2. graph data using a computer program
3. produce descriptive statistics - mean, mode, variance, standard deviation, correlation coefficient.
4. produce appropriate inferential statistics - regression equations, t-tests, one and two way analysis of variance, nonparametric statistics
5. write a narrative explaining the statistical results

REQUIRED READING:

Norwsis, Mariz, J. SPSS 7.5 Guide to Data Analysis. Englewood Cliffs: Prentice Hall, 1997.

SUGGESTED READING:

REQUIRED WRITING:

Students will write conclusions based on the analysis of problem sets relevant to the descriptive or inferential statistics obtained from computerized statistical programs.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short term classes.

Students will spend at least three hours per week analyzing data, entering data into computerized statistical programs and writing conclusions based on the data analysis.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

This course may be offered as a distance education course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply. (See guidelines for preparation for definitions.)

- telecourse
- mediated instruction
- computer assisted instruction

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Points will be given for completing problem sets and writing conclusions.

Grades will be assigned on the following percentages:

- A = 90% - 100%
- B = 80% - 89%
- D = 60% - 69%
- F < 69%

C = 70% - 79%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes _____ No X Number of times course may be taken for
credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s)
55761-55763 and 58161 which qualifies course as repeatable:

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