

Southeast Missouri State University
 Course Syllabus
 CJ526
 Statistical Analysis in Criminal Justice

- I. Catalog Description and Credit Hours of Course: The use of statistical methods and computer applications for research and program analysis in criminal justice. (3)
- II. Prerequisites: Successful completion of MA 134 or permission of the instructor.
- III Purposes and Objectives of the Course:
 - A. To develop an understanding of the various statistical applications used in criminal justice research.
 - B. To be able to interpret statistical findings of another's research.
 - C. To apply statistical analysis to one's own research.
 - D. To use the computer to perform all statistical applications.
- IV. Expectations of Students:
 - A. Read all assigned materials and participate in class discussions and applications.
 - B. Complete all assigned computer applications.
- V. Course Outline:

<u>Week</u>	<u>Hours</u>	<u>Topic</u>	<u>Reading</u>
1	3	Introduction & Purpose	Bachman & Paternoster, Chapter 1
2	3	Levels of Measurement	Chapter 2
3	3	Central Tendency	Chapter 4
4	3	Measures of Dispersion	Chapter 5
5	3	Exam I	
6	3	Probability Theory	Chapter 7
7		The Normal Distribution	Chapter 8
8	3	Chi Square/Measures of Association	Chapter 11
9			
10	3	Exam II	
11	3	Test of Sample Means	Chapter 12
12	3	Analysis of Variance	Chapter 13
13			
14	3	Bivariate Correlation & Regression	Chapter 14
15			
16	3	Final Exam	

VI Textbook:

Bachman, Rand R. Paternoster (1997). *Statistical Methods for Criminology and Criminal Justice*, McGraw-Hill.

VII Basis for Student Evaluation: There will be three exams, each counting for 30% of the grade. The remaining 10% of the grade will come from computer applications and interpretations (homework).