

Fayetteville State University
College of Arts and Sciences
Department of Sociology
Fall 2011

I. LOCATOR INFORMATION:

Instructor: Hideki Morooka, Ph.D.
Course Number and Name: SOCI 503-D1 Social Statistics
Semester Credit Hours: 3
Day and Time Class Meets: Online
Office Location: Taylor Social Science Building, Room 210-E
Office Phone: 910-672-2402
E-mail: hmorooka@uncfsu.edu
Office Hours: Send me e-mails anytime. E-mails will be responded within 24 hours on weekdays except the designated university holidays.

II. COURSE DESCRIPTION:

This course is an introduction to descriptive and inferential social statistics, including parametric and non-parametric measures of association, tests of difference, probability, and bivariate regression. Students will gain knowledge of SPSS.

Prerequisites: SOCI 331 or equivalent undergraduate-level statistics course. Also, a certain level of proficiency in computer operation (e.g. Word, Excel, PowerPoint, and etc.) is assumed.

III. DISABLED STUDENT SERVICES:

In accordance with Section 504 of the 1973 Rehabilitation Act and the Americans with Disabilities Act of 1990, if you have a disability or think you have a disability, please contact the Center for Personal Development in the Spaulding Building, Room 155 (1st Floor); 910-672-1203.

IV. TEXTBOOK:

Levin, Jack, James Alan Fox, and David R. Forde. 2009. *Elementary Statistics in Social Research, Eleventh Edition*. Boston, MA: Allyn & Bacon. ISBN:0-205-57069-0.

Green, Samuel B. and Neil J. Salkind. 2011. *Using SPSS for Windows and Macintosh: Analyzing and Understanding Data, Sixth Edition*. Upper Saddle River, NJ: Pearson Prentice Hall. ISBN: 0-20-502040-2.

All registered students are required to purchase the textbooks used in the course. The textbooks are available through the FSU Bookstore.

V. STUDENT LEARNING OUTCOMES:

Student Learning Outcomes

Upon successful completion of this course, students will...

- be able to write clear, logical, analytic, and well-organized reports and papers.
- be able to differentiate among different methods of social research.

- be able to apply statistical knowledge to research analyses.
- be able to utilize statistical software such as SPSS to analyze data.
- be able to interpret statistical output in SPSS and provide logical explanations for statistical patterns.

VI. COURSE REQUIREMENTS AND EVALUATION CRITERIA:

GRADING

Your final course grade will be determined based on the following percentages:

Midterm Exam.....	30%
Final Exam.....	30%
Chapter Quizzes.....	30%
Discussion Board.....	10%

Final letter grades will be based on total points accumulated during the course. Letter grades will be determined in the following way:

FSU Grading Scale

A = 90% - 100% B = 80% - 89% C = 70% - 79% F = 69% and below

Note that the cumulative percentage will be rounded to the nearest integer by using the symmetric arithmetic rounding. For example, if your final grade is 89.5%, it will be rounded up to 90% ; then, you will receive an A. On the other hand, if you have 89.4%, it will be rounded down to 89%; then, you will receive a B.

Please remember that the instructor does NOT guarantee a passing grade to ANYONE!!

GRADED ASSIGNMENTS:

EXAMINATIONS

There will be two (2) exams (a midterm and a final) given throughout the course. Both exams consist of the two components: (1) a written portion and (2) a computer portion. The written portion tests your theoretical and applied knowledge of basic statistical analysis, and the computer portion tests your knowledge of specific SPSS commands by actually running a number of statistical analysis procedures on computer. Please remember that you must show your work, round off to the specified decimal places, and write an interpretation in a complete sentence to earn full credit on the calculation questions.

You are expected to take both exams at the time that the exam is scheduled. The midterm exam will be posted on Saturday, October 8. *The midterm exam date is scheduled tentatively and subject to change.* The final exam (both written and computer portions) will be posted on Saturday, December 3. The final exam will be cumulative; however, its main focus is on class material covered between the midterm exam and last day of lectures.

CHAPTER QUIZZES

Students are expected to take quizzes for each chapter on Blackboard throughout the course at the time that the quiz is scheduled.

DISCUSSION BOARD

Assignments on Discussion Board will be given intermittently throughout the course. Students are required to actively participate in discussions on Blackboard.

POLICY ON LATE ASSIGNMENTS:

Class assignments (exams, quizzes, and postings on Discussion Board) are expected to be completed in a timely manner. No late assignments will be accepted, and no make-up assignments will be given except in rare circumstances. If you have a justifiable reason to miss an assignment, please notify me of the situation as soon as possible, and **you must present appropriate official documentation for legitimate absence in writing. If you fail to submit an assignment on time, the score of zero will automatically be recorded for that assignment.**

CLASS POLICIES:

SOCI 503 is the first semester graduate-level Statistics course and is designed to familiarize students with statistical analysis techniques that sociologists use to measure, analyze, and interpret a variety of research data to study phenomena in the society. We will use the statistical analysis software called IBM SPSS Statistics quite extensively to analyze data. Familiarity with Microsoft Office package (e.g., Word, Excel, PowerPoint, and etc.) is assumed.

It is imperative that you keep up with class reading and assignments. Because of the cumulative nature of the course content, it will be very difficult to catch up if you fall behind. Please do not hesitate to ask for help. I will try to accommodate you as much as I can. However, you must demonstrate an initiative to seek help from me, and **DO NOT WAIT TILL LAST MINUTE** to contact me for help.

This is a course that is conducted online. The amount of time spend in the classroom will be replaced with time spent in the virtual classroom on Blackboard writing responses and responding to the instructor. You will log on to Blackboard, work on assignments (exams, quizzes, and etc.) at your own convenience. Simultaneously, it implies that keeping discipline in good study habits is of utmost importance in order for students to successfully complete this course.

Students are responsible for reading their e-mail on a regular basis to remain aware of important class and university information. If you have questions, send me e-mails anytime. E-mails will be responded within 24 hours from Monday to Friday except the designated university holidays. When you try to contact me by e-mail, make sure that you send it from your FSU e-mail account (username@broncos.uncfsu.edu). The university has established FSU email as the primary mode of correspondence between university officials and enrolled students. Inquiries or requests from personal email accounts (e.g., Road Runner, Gmail, Hotmail, AOL, Yahoo, and etc.) are not assured a response.

Students should often check their grades in MyGrades on Blackboard. In case there are any discrepancies between what is shown on Blackboard and your actual score, contact the instructor as soon as possible.

When you send the instructor a Word/Excel/PowerPoint file, please save the file in the Office 2003 format – with extensions **.doc** for Word, **.xls** for Excel, and **.ppt** for PowerPoint. If you send a file in the Office 2007 format such as **.docx**, **.xlsx**, **.pptx**, your file will be returned for resubmission with an appropriate extension.

Always remember to be courteous to your classmates and instructor when you contact them! Noncompliance with the FSU Policy on Disruptive Behavior in the Classroom could negatively affect your class participation points, or you would be asked to withdraw from the course. **IMPORTANT:** Students are expected to maintain the highest standards of honesty in their college work. Cheating, forgery, and plagiarism are serious offenses. Students found guilty of any form of academic dishonesty are subject to disciplinary action according to the FSU Code of Student Conduct.

TECHNICAL SUPPORT:

If you encounter technical difficulties on Blackboard, Citrix, and etc., please direct your questions to ITTS. **ITTS technical support is available 24/7.**

- Call 910-672-2085 on campus
- Call toll free 855-877-5811 from off campus
- Chat: <https://chat.perceptis.com/c/uncfsu>
- E-mail: uncfsuhelpdesk@perceptis.com

VII. COURSE ORGANIZATION:

The following course schedule is planned tentatively and subject to change.

<u>Week</u>	<u>Class</u>
0 Aug 18 - Aug 22	Introduction Read the syllabus.
1 Aug 23 - Aug 29	Review basic mathematical operations used in Statistics. Discuss Why Social Researchers Use Statistics (Ch.1).
2 Aug 30 - Sep 5	Discuss Organizing the Data (Ch.2). Organize data, including frequency/percentage distribution tables, charts, graphs, and etc, to report the statistical analysis more effectively.
3 Sep 5 - Sep 12	SPSS lab – Construct tables, charts, and graphs. Discuss Measures of Central Tendency (Ch.3).
4 Sep 13 - Sep 19	Discuss Measures of Variability (Ch.4). SPSS lab – Descriptive Statistics
5 Sep 20 - Sep 26	Discuss Normal Curve (Ch.5).
6 Sep 27 - Oct 3	Continue to discuss Normal Curve. SPSS lab
7 Oct 4 - Oct 7	Review for the midterm exam
8 Oct 8 - Oct 12 (Oct 15 - Oct 18)	Midterm Exam – Written and Computer Portions Fall Break!
9 Oct 19 - Oct 24	Discuss Sampling and Populations (Ch.6).
10 Oct 25 - Oct 31	Discuss Testing Differences between Means (Ch.7).
11 Nov 1 - Nov 7	Continue to discuss Testing Differences between Means. SPSS lab – t-test
12 Nov 8 - Nov 14	Discuss Nonparametric Tests of Significance (Ch.9).
13 Nov 15 - Nov 21	Continue to discuss Nonparametric Tests of Significance. SPSS lab – chi-square
14 Nov 22 - Nov 28	Discuss Correlation and Regression Analysis (Ch.10 & Ch.11). SPSS lab
15 Nov 29 - Dec 5	Continue to discuss Correlation and Regression Analysis. SPSS lab
Final Exam Week	Review for the final exam Final Exam – Written and Computer Portions