

Statistical Software in Education (SPSS only)

EDLD 610 – 1 Credits – CRN11813
University of Oregon – College of Education - Educational Leadership Area

08 Fall Term Syllabus

Subject to Change

Meeting Days/Time: Tuesday 3:00-3:55

Location: 103 Peterson

INSTRUCTOR

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DESCRIPTION

This course is specifically for doctoral students learning how to use the Statistical Package for the Social Sciences (SPSS) version 17.0. It is offered because the University of Oregon College of Education has adopted SPSS as the statistical computing software for all doctoral students. The course is designed to enable students and faculty to attend classes with the assumption that statistical computing will not be a problem. The course, however, is not a course in statistics.

Simply because the course focuses on SPSS, it is not intended to discourage the use of other statistical software, e.g., Stata, SAS, Mplus, R, etc. In fact, the use of other software is encouraged, and given time and opportunity, other software will be discussed.

NOTE. This course is uniquely different than most other course you may take. Designed as a workshop, developing skill with SPSS is requisite to success throughout your program. What you acquire from this 1 credit course depends largely on what you put into it.

OBJECTIVES

In this course, you will:

- A. Become knowledgeable about . . .
 - a. SPSS Computer software for statistical analyses
 - i. Other computer softwares may be mentioned and discussed briefly
 - ii. SPSS resources
 - b. Data structures and data restructuring
 - c. Statistical analysis
 - d. Nomenclature associated with using statistical computing software

B. Develop skill in . . .

- a. Navigating SPSS
- b. Using SPSS graphic interface
- c. Using SPSS syntax (code)
- d. Interpreting SPSS error messages
- e. Saving analytic results to SPSS output windows
- f. Saving results from SPSS to various output formats
- g. Generating statistical graphs from SPSS
- h. Conversing with others (e.g., peers, faculty, technical support) about SPSS-based work you are completing (or attempting to complete)

TEXTBOOKS & READING MATERIALS

TITLE	AUTHOR	PUBLISHER & PUB. DATE
<i>SPSS Software version 17.0 (or earlier)</i>	SPSS.com	

COURSE STRUCTURE

Each week, lecture, discussion and demonstrations will follow the course schedule (below). Students are encouraged to bring problems to class, and offer demonstrations of skills associated with SPSS. During class discussions, PLEASE ask questions and request further explanation as necessary.

EXAMS

There will be a midterm (importing and exporting data) and final exam (restructuring data and using syntax). Both tests are take-home, due prior to the beginning of the next meeting.

GRADING POLICY

Your final grade for this course will be determined based on seven weekly assignments and two exams (midterm and final). The weekly assignments are each worth 5 points (30 points total). *No partial credit is provided for the weekly assignments*; if you complete it and turn it in, then you will receive 5 points. The midterm and final exam will each comprise 35 points (70 points total). The tests will be graded according to how thoroughly and accurately the problems are completed.

Your final grade will be based on the total number of points accrued during the term. There will not be a curve. Final letter grades for the course will be calculated as follows:

A+ 97-100%	A 93-96.9%	A- 90-92.9%
B+ 87-89.9%	B 83-86.9%	B- 80-82.9%
C+ 77-79.9%	C 73-76.9%	C- 70-72.9%
D+ 67-69.9%	D 63-66.9%	D- 60-62.9%
	F < 59.9%	

*Please note that if this class is taken P/NP,
70% or higher is required to pass the class.*

COURSE INCOMPLETES

Students are expected to be familiar with university policy and procedures, which result in failing to complete the course by the end of the term in which it is offered. Please see <http://interact.uoregon.edu/pdf/sas/AlncGrdCon.pdf>.

SCHEDULE OF TOPICS AND ASSIGNMENTS

WEEK	DAY	TOPIC / ASSIGNMENT	READ BEFORE CLASS
1	Tuesday 9/30	Introduction Operating system SPSS windows, files, terminology Resources Demonstration	
2	Tuesday 10/7	Data formats Data structures Importing data files from other software Reading raw data	SPSS Tutorial
3	Tuesday 10/14	Data transformation <ul style="list-style-type: none">• Missing values• Compute• Recode	Exercise Posted from Blackboard
4	Tuesday 10/21	Analysis with graphic interface	Exercise Posted on Blackboard
5	Tuesday 10/28	Analysis with syntax	Take Home Midterm is Due
6	Tuesday 11/4	Data restructuring <ul style="list-style-type: none">• Cases to variables• Variables to cases• Indexing	Exercise Posted on Blackboard
7	Tuesday 11/11	Graphing	Exercise Posted on Blackboard
8	Tuesday 11/18	Date, string, and system variables	Exercise Posted on Blackboard
9	Tuesday 11/25	Macros	Exercise Posted on Blackboard
10	Tuesday 12/2	Special topics accumulated during the quarter	Exercise Posted on Blackboard
11	Tuesday 12/9	Response to student requests	Take Home Final is Due

ATTENDANCE POLICY

Attendance at all classes is required.

ABSENCE POLICY

Students must contact the instructor in case of illness or emergencies that preclude taking quizzes as scheduled or attending class sessions. Messages can be left on the instructor's voice mail or e-mail at any time of the day or night, prior to class. If no prior arrangements have been made before class time, the absence will be unexcused.

If you are unable to take a quiz or exam due to a personal and/or family emergency, you should contact your instructor or discussion leader as soon as possible. On a case-by-case basis, the instructor will determine whether the emergency qualifies as an excused absence.

ACADEMIC MISCONDUCT POLICY

All students are subject to the regulations stipulated in the UO Student Conduct Code (http://studentlife.uoregon.edu/programs/student_judi_affairs/index.htm). This code represents a compilation of important regulations, policies, and procedures pertaining to student life. It is intended to inform students of their rights and responsibilities during their association with this institution, and to provide general guidance for enforcing those regulations and policies essential to the educational and research missions of the University.

CONFLICT RESOLUTION

Several options, both informal and formal, are available to resolve conflicts for students who believe they have been subjected to or have witnessed bias, unfairness, or other improper treatment. It is important to exhaust the administrative remedies available to you including discussing the conflict with the specific individual, or contacting the Department Head.

Within the College of Education you can contact:

- Joe Stevens, Associate Dean for Academic Affairs, at 346-2445 or stevensj@uoregon.edu
- Surendra Subramani, Diversity Coordinator, at 346-1472 or surendra@uoregon.edu.

Outside the College of Education, you can contact:

- UO Bias Response Team: 346-1139 or <http://bias.uoregon.edu/whatbrt.htm>
- Conflict Resolution Services 346 -0617 or <http://studentlife.uoregon.edu/programs/crs/>
- Affirmative Action and Equal Opportunity: 346-3123 or <http://aaeo.uoregon.edu/>

DIVERSITY

It is the policy of the University of Oregon to support and value diversity. To do so requires that we:

- respect the dignity and essential worth of all individuals.
- promote a culture of respect throughout the university community.
- respect the privacy, property, and freedom of others.
- reject bigotry, discrimination, violence, or intimidation of any kind.
- practice personal and academic integrity and expect it from others.
- promote the diversity of opinions, ideas and backgrounds which is the lifeblood of the university.

DOCUMENTED DISABILITY

Appropriate accommodations will be provided for students with documented disabilities. If you have a documented disability and require accommodation, arrange to meet with the course instructor within the first two weeks of the term. The documentation of your disability must come in writing from the Disability Services in the Office of Academic Advising and Student Services. Disabilities may include (but

are not limited to) neurological impairment, orthopedic impairment, traumatic brain injury, visual impairment, chronic medical conditions, emotional/psychological disabilities, hearing impairment, and learning disabilities. For more information on Disability Services, please see <http://ds.uoregon.edu/>

EXPECTED CLASSROOM BEHAVIOR

Racist, homophobic, sexist, and other disrespectful comments will not be tolerated.

Classroom expectations include:

- Arriving on time, prepared for class
- Attending for the duration of class
- Not reading other materials, including using the internet for irrelevant activities

GRIEVANCE

A student or group of students of the College of Education may appeal decisions or actions pertaining to admissions, programs, evaluation of performance and program retention and completion. Students who decide to file a grievance should follow the student grievance procedure, or alternative ways to file a grievance outlined in the Student Grievance Policy (<http://education.uoregon.edu/feature.htm?id=399>) or enter search: student grievance.

INCLEMENT WEATHER

In the event the university operates on a curtailed schedule or closes, UO media relations will notify the Eugene-Springfield area radio and television stations as quickly as possible. In addition, a notice regarding the university's schedule will be posted on the UO main home page (in the "News" section) at <http://www.uoregon.edu>.

If an individual class must be canceled due to inclement weather, illness, or other reason, a notice will be posted on Blackboard or via email. During periods of inclement weather, please check Blackboard and your email rather than contact department personnel. Due to unsafe travel conditions, departmental staff may be limited and unable to handle the volume of calls from you and others.