University of North Texas at Dallas
Spring 2012
SYLLABUS

SOCI 3280D: QUANTITATIVE METHODS IN SOCIAL RESEARCH (3 hrs)

Department of	Sociology and Psychology	Division of	Liberal Arts and Life Sciences

Instructor Name:	Qi, Sun (Phoenix)
Office Location:	Dallas 2, Room 302.
Office Phone:	972-338-1589
Email Address:	qisun@pacs.unt.edu (preferred)

Office Hours:	M & W: 4:30-5:30 & 7-8, Th: 5-7
Virtual Office Hours:	

Classroom Location:	**Dallas 1 348**
Class Meeting Days & Times:	**Th: 7-9:50pm**

Course Catalog Description:	Role of quantitative methods in social research; application of quantitative techniques and procedures to social data, statistical inference; data processing.

Prerequisites:	**SOCI 3220**
Co-requisites:	

Required Text:	Jack Levin, James Alan Fox, David, R. Forde 2010 *Elementary Statistics in Social Research 11th Edition.* Ally & Bacon

Recommended Text and References:	

Access to Learning Resources:	UNT Dallas Library:
	    phone: (972) 780-3625;
	    web: http://www.unt.edu/unt-dallas/library.htm
	UNT Dallas Bookstore:
	    phone: (972) 780-3652;
	    e-mail: 1012mgr@fheg.follett.com

Course Goals or Overview:	
	The goal of this course is to understand statistics for the social sciences.

Department Learning Objectives/Outcomes:	The student will have an improved understanding of:
1	Critical thinking.
2	Sociology and its contributions to social life.
3	Sociological theory.
4	Sociological methodology.
5	Basic concepts in sociology and their relationships.
6	Knowledge of a substantive area within sociology.
7	Social and cultural variations.
8	Sociological analysis of values.
9	Ethical issues that arise in the course of research.

Course Learning Objectives/Outcomes:	At the end of this course, the student should be able to:
1	Explain and apply basic statistical information and analyses.
2	Evaluate statistical information and analyses.

Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated in class or posted on Blackboard in case of emergency.

TOPICS	TIMELINE
Introduction of course and syllabus, chapter 1: statistics in social research	Week of 1/16/2012
Chapter 2: organizing Data	
No Class on Labor day. (9/5/11)	Week of 1/23/2012
Chapter 3: Measures of Central Tendency;	
Chapter 3: Measure of Central Tendency **HW #1, #2, #3 Due**	Week of 1/30/2012
Chapter 4: Measure of Variability	
Chapter 4: Measure of variability	Week of 2/6/2012
Exam #1 Chapter 1-4	
Chapter 5: Normal Curve	Week 0f 2/13/2012
Chapter 5: Normal Curve	
Chapter 5: Normal Curve	Week of 2/20/2012
Chapter 6: Samples and populations	
Chapter 7: Tests Differences between Mean • **HW #4, #5 Due**	Week of 2/27/2012
Chapter 8: Analysis of variance	
Chapter 8: Analysis of variance Review for exam #2 • **HW #6 Due**	Week of 3/5/2012
Exam #2 Chapter 5-8	
Chapter 9: Significance Test	Week of 3/12/2012
Chapter 9: Significance Test	
Spring break. No class.	Week of 3/19/2012.
Chapter 9: Significance Test	Week of 3/26/2012
Chapter 10: Correlation	
Chapter 10: Correlation; Exam #3 review • **HW #7, #8 Due**	Week 0f 4/2/2012
Exam #3: Chapter 9-10	
Chapter 11: regression	Week of 4/9/2012
Chapter 11: regression	
Chapter 11: Regression • **HW #9 Due**	Week of 4/16/2012
Chapter 12: Measure of Correlation	
Chapter 12: measure of correlation	Week of 4/23/2012
Chapter 12: Measure of Correlation	Week of 4/30/2012
Review	
Final Exam	5/10/2012 7-10

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

Exams – written tests designed to measure knowledge of presented course material. There will be four exams. Exam questions will be based on assigned readings, lectures, in-class work and homework exercises. Any handouts or PowerPoint presentations should be considered assigned readings. Exams may consist of a combination of matching, short answer, and problems to be solved. For each exam, you may bring your calculator and 1 index card no larger than 3"x5". The index card must be handwritten. You may put any information you think useful on this index card (back and front) including any statistical formulas.

Make-up exams will only be administered under exceptional conditions and must accompany a university-approved, documented excuse. You must make up the exam within one week of your return, please contact me as soon as possible so we can make arrangements. Refer to your Student Handbook for an explanation of excused absences.

Homework Assignments (10x10 points) – written assignments designed to supplement and reinforce course material For each chapter, you will be doing some of the chapter exercises in the textbook (or you will be given a hand-out). The assignments will be very reasonable. You will be graded based upon your effort, not on whether you got the answers correct or not. You must show all work where applicable, and answer all parts of the question. It is in your best interest to take the assignments seriously. The assignments are intended to help you apply what you've learned in class, and be better prepared for exams.

Late Assignments: Homework is due during the beginning of class. **No** late assignments will be accepted. **No** e-mailed assignments will be accepted.

Class Participation – daily attendance and participation in class discussions. If you must miss a class please ask another student for notes or check Blackboard.

Calculator - It will be necessary for you to have a calculator in this class. Please choose a calculator that you know how to use and that you are comfortable with. The calculator can be a basic one, all you will need to do is to add, subtract, multiply, divide, square and take the square root.

Grading Matrix:

Instrument	Value (points or percentages)	Total
Homework	100 (10*10)	100
Exam 1	100	100
Exam 2	100	100
Exam 3	100	100
Exam 4 (Final)	100	100
Total:		**500**

Grade Determination:
A = 450 – 500 pts; i.e. 90% or better
B = 400 – 449 pts; i.e. 80 – 89 %

C = 350 – 399 pts; i.e. 70 – 79 %
D = 300 – 349 pts; i.e. 60 – 69 %
F = 299 pts or below; i.e. less than 60 %

University Policies and Procedures

Students with Disabilities (ADA Compliance):
The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Students' with documented disabilities are responsible for informing faculty of their needs for reasonable accommodations and providing written authorized documentation. For more information, you may visit the Office of Disability Accommodation/Student Development Office, Suite 115 or call Laura Smith at 972-780-3632.

Student Evaluation of Teaching Effectiveness Policy:
The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

Exam Policy:
Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook).

Academic Integrity:
Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of conduct and Academic Dishonesty policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Conduct at http://www.unt.edu/csrr/student_conduct/index.html for complete provisions of this code.

Bad Weather Policy:
On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website www.unt.edu/dallas. Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.

Attendance and Participation Policy:
The University attendance policy is in effect for this course. Class attendance and participation is expected because the class is designed as a shared learning experience and because essential information not in the textbook will be discussed in class. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent.

Diversity/Tolerance Policy:
Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Center for Student Rights and Responsibilities as the instructor deems appropriate.

Rules of Courtesy:

- *Please be honest. Students are expected to have academic integrity in line with University policy. Refer to your Student Handbook for issues and concerns regarding academic dishonesty. If you have questions, please ask.*
- *Please turn off all cell phones or electronic equipment that may disrupt the class. Any cell phones seen out during exams will result in an automatic "F".*
- *Please stay awake during class.*
- *Do not distract the class with side conversations. What you have to say in this classroom is welcomed. Please share it with all of us.*
- *Please be on time. Entering the class late causes a distraction and disruption.*
- *Plagiarism: Please do not use someone else's words or writing without properly citing them. If you do it will result in a minimum of a 0 on the project, possible failure from the course, and academic sanctions as deemed appropriate. If you have questions please come talk to me.*
- *You and your classmates have the right to free speech as well as the right to freedom from disruption in the classroom.*