Kutztown University: Fall 2024 GEG 375: Research Methods in Geography

Dr. Richard Courtney

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and by appointment

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Class Meeting Days and Time: MW 3:00 - 4:15 P.M. Rm: Graduate Center 100

Required Text: Lembo & McGrew, Statistical Problem Solving in Geography 4th ed.

(ISBN: 978-1-4786-4946-5).

Required Supplementary Materials:

eBook (see D2L for eBookAccess tutorial)

• Knowledge Base website: http://www.socialresearchmethods.net/kb/index.php

Evaluation: Exams $3 \times 15\% = 45\%$ MC, T/F, Fill-ins, Essays and Lab Activity.

Final Exam: Wed. 12/11 11:00 a.m. - 1:00 p.m.

Exercises $6 \times 5\% = 30\%$ (Six are anticipated...we'll see)

Term Project $1 \times 25\% = 25\%$ Two part term project

Grading Scale:

Letter Grade	Α	В	С	D	F
Pct. Range	90+	75 - 89	60 - 74	50 - 59	< 50

Basic Course Requirements:

- Internet access: For online readings and D2L materials.
- A calculator with memories.
- Faculty advisor with whom to begin your senior thesis.
- Commitment to attendance and participation.

Policies:

Warning: College and University policies regarding cheating, plagiarism, and academic fraud will be enforced at my discretion. See http://www.kutztown.edu/thekey and http://app.kutztown.edu/policyregister/Policy/ACA-027.

Use of AI (Artificial Intelligence): This is strictly prohibited for any and all written portions of exams and course exercises. I am still mulling over its possible use as a form of "starter" for our research projects. Stay tuned.

Cell phone use is prohibited: They may <u>not</u> be used as calculators either.

No extra credit work will be assigned other than in-class videos and a pop quiz.

Attendance Policy: Please see http://app.kutztown.edu/policyregister/Policy/ACA-016.

Make-up Policy: Students must arrange to take missed quizzes or exams as soon as possible. Excuses must cover every day missed between the quiz/exam date and the date of the make-up quiz/exam. See the web address immediately above for acceptable excuses.

Graded Work: Students must retain all graded and returned work in case of grade recording errors. Students are also expected to complete a copy of the Grading Chart.

Final Exam Conflict Policy: See the following URL for policy details:

http://app.kutztown.edu/policyregister/Policy/ACA-080.

Gender- Based Crimes: Educators must report incidents of gender-based crimes, including sexual assault, sexual harassment, stalking, dating violence, and domestic violence. If a student discloses such incidents to me during class or in a course assignment, I am not required to report the disclosure, unless the student was a minor at the time the incident occurred. Regardless of the student's age, if the incident is disclosed to me outside the classroom setting or a course assignment, I am required by law to report the disclosure, including relevant details, such as the names of those involved in the incident, to Public Safety and Police Services and to Mr. Jesus Peña, Title IX Coordinator.

Course Objectives:

This course is primarily concerned with involving students in the research design and implementation process. The course emphasizes the application of various quantitative techniques often employed in geographic research.

A secondary goal is to get senior Geography majors to begin work on their theses in preparation for Senior Seminar. Each student is to come up with several research questions and propose to follow one as a senior thesis research question. This will be done in conjunction with the student's faculty advisor. The term project will involve developing a research question, the collection of data, and the early stages of data processing and analysis.

TENTATIVE COURSE SEQUENCE

Be sure to cover all the materials in D2L for each of the sections listed below.

Section 1: Introduction (Exam 1)

Reading: eBook pages 1-10, 17-21 (see eBookAccess.pptx in D2L). Knowledge Base website: all of Foundations section.

Section 2: Geographic Research (Exam 1)

Reading: eBook pp. 27-29.

Exercise 1: Formulating Research Questions

Section 3: Geographic Data (Exam 1)

Reading: McGrew Ch. 2; eBook pp. 21-27, 35-38.

Section 4: Statistics...the Beginning (Exam 1)

Reading: McGrew Chs. 1, 3 & 4; eBook pp. 158-164. Ex. 2 Getting to Know Your Data

Section 5: Transition to Inferential Statistics (Exam 2)

Reading: McGrew Chs. 5, 6, 7, 8 & 14.
Ex. 3 Probability
Ex. 4 Sampling

Section 6: Inferential Statistics (Final Exam)

Reading: McGrew Chs. 9, 10 & 11. Ex. 5 Hypothesis Testing

Section 7: Correlation and Regression (Final Exam)

Reading: McGrew Chs. 16, 17, & 18 pp. 273-275. Ex. 6 Correlation and Regression

Research Methods Grading Chart: Fall 2024

Es	rercise Scor	Exercise Scores and Points	ts	迢	kam Scores	Exam Scores and Points		Tern	n Project Sc	Term Project Scores and Points	oints
	Score	Out of	Pts. [†]		Score	Out of	Pts. ¶		Score	Out of	Pts.
Ex. 1				Exam 1				Proposal			· -
Ex. 2				Exam 2					For Prop	For Proposal Pts.,	
Ex. 3				Final							
Ex. 4								Paper			8
Ex. 5									Score ÷ O	⁸ For Paper Pts. (Score ÷ Out of) ¾ 15	
Ex. 6											
Ex Pts.	Sum	Sum of Ex. Pts.			Sum of 1	Sum of Exam Pts.		wnS	Sum of Term Project Pts.	oject Pts.	
	† For E ₂ (Score \div C	† For Ex. Pts. (Score \div Out of) X 5)	For Exam Pts. (Score ÷ Out of) X 15	m Pts. ut of) X 15					
	J	Course Poin	ts Structur	Course Points Structure: 30 Ex. Pts. + 45 Exam Pts, + 25 Term Project Pts. = 100 points	s. + 45 Exa	ım Pts, + 2	5 Term Pro	ject Pts. =	100 points		

Pts. Total = Course %

Record all of your scores on this form and retain all your work in case of any discrepancies.