Kutztown University: Fall 2013
GEG 375: Research Methods in Geography

Dr. Richard Courtney
Office: Graduate Center 104
Dept #: 610 683-4364 (34364)
e-mail: courtney@kutztown.edu

http://faculty.kutztown.edu/courtney “Course Announcements” Check here daily!

LECTURE: MW 3:00 - 4:20 P.M. Rm: Graduate Center 100


REQUIRED SUPPLEMENTARY MATERIALS: You are to go over the assigned materials in Desire2Learn.

GRADING: Exams 3 x 15% = 45% True/False, Fill-ins, Short Essays, and Take-home Essay
Exercises 6 x 5% = 30% (Six are anticipated...we’ll see)
Term Project 1 x 25% = 25% Two part term project

Course Grading Scale:

<table>
<thead>
<tr>
<th>Pts. Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90% +</td>
<td>A</td>
</tr>
<tr>
<td>75 - 89</td>
<td>B</td>
</tr>
<tr>
<td>60 - 74</td>
<td>C</td>
</tr>
<tr>
<td>50 - 59</td>
<td>D</td>
</tr>
<tr>
<td>&lt; 50</td>
<td>F</td>
</tr>
</tbody>
</table>

Warning: College and University policies regarding cheating, plagiarism, and academic fraud will be enforced at my discretion. See The Key for policies.

Cell phone/PDA use is prohibited.

No extra credit work will be assigned other than possible in-class video(s).

Attendance Policy: I follow the policies of the College of Liberal Arts and Sciences. See https://portal.kutztown.edu/common/catalog/pdf/cat_ug_06.pdf

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.

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. Students are to come up with several research questions and to propose to follow one of these research questions. 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

Section 1: Introduction Exam 1
Reading: D2L Introduction.pptx

Section 2: Geographic Research Exam 1
Reading: D2L Generating Questions.pptx, Regions.pptx, AreaScope.pptx, Modifiable Area Unit Problem.pptx
Exercise 1: Formulating Research Questions

Section 3: Geographic Data Exam 1
Reading: D2L GeoData.pptx
McGrew & Monroe Ch. 2

Section 4: Statistics...the Beginning Exam 1
Reading: D2L Exploring Data.pptx
McGrew & Monroe Ch. 1

Section 5: Descriptive Statistics Exam 1
Reading: D2L Distribution Shapes.pptx, Measures of Central Tendency.pptx, Measures of Dispersion.pptx, Coefficient of Variation.pptx, Geostatistics.pptx
McGrew & Monroe Chs. 3 & 4
Exercise 2 Getting to Know Your Data

Section 6: Transition to Inferential Statistics Exam 2
Reading: D2L Probability.pptx, Sampling.pptx, Sampling and Estimation.pptx
McGrew & Monroe Chs. 5 & 6, 7 pp. 97-111
Exercise 3 Probability
Exercise 4 Sampling

Section 7: Inferential Statistics Final Exam
Reading: D2L Hypothesis Testing.pptx, Test Statistics.pptx
McGrew & Monroe Chs. 8 & 9
Exercise 5 Hypothesis Testing

Section 8: Correlation and Regression Final Exam
Reading: D2L Correlation.pptx, Regression.pptx
McGrew & Monroe Ch3. 13 pp. 193-203, & Ch. 14
Exercise 6 Correlation and Regression
# Research Methods Grading Chart: Fall 2013

<table>
<thead>
<tr>
<th>Exercise Scores and Points</th>
<th>Exam Scores and Points</th>
<th>Term Project Scores and Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Score</strong></td>
<td><strong>Score</strong></td>
<td><strong>Score</strong></td>
</tr>
<tr>
<td><strong>Out of</strong></td>
<td><strong>Out of</strong></td>
<td><strong>Out of</strong></td>
</tr>
<tr>
<td><strong>Pts. †</strong></td>
<td><strong>Pts. ‡</strong></td>
<td><strong>Pts. ‡§</strong></td>
</tr>
<tr>
<td>Ex. 1</td>
<td>Exam 1</td>
<td>Proposal</td>
</tr>
<tr>
<td>Ex. 2</td>
<td>Exam 2</td>
<td></td>
</tr>
<tr>
<td>Ex. 3</td>
<td>Final</td>
<td></td>
</tr>
<tr>
<td>Ex. 4</td>
<td></td>
<td>Paper</td>
</tr>
<tr>
<td>Ex. 5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ex. 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ex Pts.</strong></td>
<td><strong>Sum of Ex. Pts.</strong></td>
<td><strong>Sum of Exam Pts.</strong></td>
</tr>
<tr>
<td>† For Ex. Pts., (Score ÷ Out of) X 5</td>
<td>‡ For Exam Pts., (Score ÷ Out of) X 15</td>
<td></td>
</tr>
<tr>
<td><strong>Sum of Term Project Pts.</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Course Points Structure:** 30 Ex. Pts. + 45 Exam Pts., + 25 Term Project Pts. = 100 points

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

RSC 2012