Instructor: Brian Chezum  
Office: Hepburn 203 (Phone: X5426)  
Email: chezum@stlawu.edu  
Office Hours: 1:30 – 2:30 MW  
Class Schedule: 8:50 – 10:20 & 10:30 – 12:00 MWF


Course Outline: We will first review some material you have seen in Stat 113 as presented in the appendices of the test and then cover a substantial portion of the text. We will generally follow the text with outside readings introduced at various times throughout the semester. In particular we will want to consider visual representations of data and statistics more thoroughly than the text.

Appendix A: A Review of Statistics, Probability and Probability Distributions  
Appendix B: Characteristics of Probability Distributions  
Appendix C: Some Important Probability Distributions  
Appendix D. Statistical Inference: Estimation and Hypothesis Testing  
Chapter 1: The Nature and Scope of Econometrics  
Chapter 2: Basic Ideas of Linear Regression: The Two Variable Model  
Chapter 3: The Two-Variable Model Hypothesis Testing  
Chapter 4: Multiple Regression Estimation and Hypothesis Testing  
Chapter 5: Functional Forms of Regression Models  
Chapter 6: Dummy Variable Regression Models  
Chapter 7: Model Selection: Criteria and Tests  
Chapter 8: Multicollinearity  
Additional Material as time permits.

**You will be expected to use Microsoft Excel for assignments in this course. At times we will work with excel in class. I will try to give advance warning so that you may bring a computer to class if you wish to more easily follow the steps that I am taking. The Quantitative Resource Center does provide tutorials and workshops for excel additionally You Tube has a number of very well done video’s showing how to complete a larger number of tasks on excel. You should familiarize yourself with these resources.

Exams: There will be three exams Each given a weight of 100 points in the final grade. Permission to miss an exam must be secured from the instructor in advance. Unexcused absences will result in a grade of zero for the exam. The format of any make-up exam is at the discretion of the instructor, and will only be given if PRIOR permission to miss an exam is given.

Exam will be given in class on the following dates:  
Exam 1: Wednesday, September 23  
Exam 2: Wednesday, October 28  
Exam 3: Wednesday, December 16 @ 1:30 for 10:30 section. Thursday, May 17 @ 8:30 for the 8:50 section

During exams, you may only use simple 4 function calculators. Please do not bring any other more complex calculator or you cell phone to the exams, you will not be allowed to use these. If I see a cell phone at any time during a quiz or exam I will immediately assume you are cheating, confiscate your phone and turn the case in to academic honor council (See section on Academic Dishonesty below).
**Homework:** Throughout the semester, you will be given homework problems. The homework will be given a weight of 50 points on the final exam. Homework will be graded as follows: 2 points if correct, 1 point of incorrect but effort was apparent or partially correct, 0 for no effort, entirely incorrect. Your homework grade will be calculated as the percentage of possible points earned multiplied by 50.

**Quizzes:** Each Wednesday you will be given a short quiz at the beginning of class. The quizzes will be over the readings and lectures and are intended to encourage you to keep up with the material. Quizzes will be given a weight of 50 points in the final grade, the grade will be calculated as the percentage of possible points earned multiplied by 50.

**Paper:** You will be asked to write a short paper that employees appropriate data to address some interesting economic question with the statistical tools that you have developed during this course. You will be expected to:

1. Find an interesting economic question which **must be approved by the instructor**.
2. Collect the appropriate data to address the question.
3. Apply appropriate statistical methods to address the question.
4. Write a 4-6 page paper that briefly describes your question and the data, and in more detail addresses your empirical findings.

The paper will be given a weight of 50 points in your final grade.

**Attendance:** Attendance is not required, but is expected and strongly recommended.

**Academic Dishonesty:** Cheating will not be tolerated, anyone caught cheating will be punished to the full extent outlined in the student handbook. If you are found guilty of academic, I will recommend a minimum punishment of a 0 grade in the course. If you are deemed guilty of plagiarism by purchasing your paper or copying a paper available on-line I will recommend that you be expelled from the university.

**Grading:** The final grade will be given based on a total of 450 available points discussed above. Dividing your point total for the semester by 450 will convert your total to a 100 point scale. The following grading scale will be used as a basis for final grades. I can assure you that the grading scale will be no stricter than this.

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<tr>
<th>Grade</th>
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<tr>
<td>4.0</td>
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<td>3.75</td>
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<td>3.25</td>
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At the end of the semester, I may choose to make modifications to this scale, but please be assured that the scale will be no stricter than what you see here. Critically, this scale reflects the fact that I believe a student should be able to score at least 55% of the possible points to pass this class. This threshold will not be changed, if you are consistently scoring below 55% on assignments, you should withdraw from the course to avoid receiving a failing grade.