Course Syllabus
Economics 3818
Introduction to Statistics with Computer Application
Spring 2001

Nicholas Flores, Assistant Professor
Economics 114
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Lecture Location: Humanities 135
Meeting Times: Tuesday/Thursday 11 a.m. - 12:15 p.m. plus assigned recitation.
Office Hours: Tuesday 9 - 10 a.m.; Thursday 12:45 p.m. - 1:45 p.m.; and by appointment

Cui Ling, Teaching Assistant
Office: Economics 309B, (303) 492-6237
Email: cui@colorado.edu
Office Hours: Recitation Location (all three): ECCR 235

Textbooks: The Basic Practice of Statistics, David S. Moore
Excel Manual for Moore's Basic Practice of Statistics, Fred M. Hoppe
TI-83 Graphing Calculator Guide for Moore's Basic Practice of Statistics, David K. Neal
Study Guide for Moore's Basic Practice of Statistics, William I. Notz, Michael A. Fligner, and Rebecca Sorice

Necessary Hardware and Software: Microsoft Excel will be used for much of the data analysis. The Excel manual listed under textbooks is highly recommended since it will lead you through the Excel applications for the course. Microsoft Excel is supported in all of the campus computer labs, including the lab in the basement of the Economics building. The manual is designed specifically for this course. In addition to using Excel, you will need a two variable graphing calculator that has functions for correlation, mean, standard deviation, and least squares regression line. This calculator will be necessary for in-class exercises as well as for tests. The TI-83 manual listed above leads you through course applications for the TI-83 graphing calculator. While you may use any two variable graphing calculator for the course, the availability of the manual...
makes the TI-83 an attractive choice. The University of Colorado Bookstore (UMC) is offering a 10% discount on the TI-83 PLUS for the course. In order to get the discount, you need to mention you are buying it for Professor Flores' Economics 3818. If you have any difficulties with the discount, please ask for Monica.

**Course Objectives**

This course introduces statistical methods and their applications to a variety of problems, including economics and business. The course will provide an inductive treatment of statistical methods. Rather than focus on your memorizing formulas, a strong emphasis will be placed on the analysis of data which will require extensive use of Microsoft Excel on the computer and a graphing calculator in class. In order to succeed in the course, you will need to keep up with all of the work (readings, lecture, homework) because the concepts and techniques build on one another. Class and recitation attendance is mandatory (policy below).

**Prerequisites**

Course prerequisites are Economics 1000, or 2010 and 2020; and Economics 1078 and 1088 or equivalent. These prerequisites are strictly enforced.

**Course Components**

- **Lecture**: With help from you and your fellow students, we will try to make lectures an interactive experience. I will encourage participation by calling on you and hopefully you will at times desire to share your own insights and experiences.

- **Class Exercises**: Some topics lend themselves to in-class exercises as another way of learning. These exercises will sometimes involve the entire class and at other times involve smaller groups down to the individual level.

- **Homework**: There will be mandatory homework assignments for each section. These assignments will be graded on a standard zero to one hundred point scale. Homework plays a prominent role in your success in the class.

- **Midterms & Final**: Two in-class midterms and a final will be given on the dates noted below. Make-up exams will not be possible for the midterms. If you have a legitimate and verifiable excuse, test weighting can be adjusted. Otherwise missing a midterm will result in a zero for the midterm that was missed. The final is mandatory. Failing to write the final will result in an F regardless of the average coming into the
Evaluative Criteria

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<th>Component</th>
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<tr>
<td>Homework</td>
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<td>Midterm I</td>
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<td>Final</td>
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Important Dates

January 16, Classes Begin
January 24, Add Deadline, Wait List Deadline
January 31, Drop Deadline (w/o Professor's signature, w/o tuition assessment)
February 23, Last day to make arrangements if 3 or more exams
March 26 - 30, Spring Break
May 4 (Fri.), Last Day of Classes
May 8 (Tues.), Final Exam 10:30 a.m. - 1 p.m.

Attendance Requirement

Daily attendance will be taken in both class and recitation beginning the second class meeting and the first recitation. In order to receive a passing grade in the course, you must attend a minimum of 80% of the lectures and 80% of the recitations. A sign-in sheet will be circulated during each class and recitation meeting. It is your responsibility to make sure that you have signed in by the end of class and recitation.

Special Accommodations Policy

If you have specific physical, psychiatric, or learning disabilities and require accommodations, please let me know early in the semester so that your learning needs may be appropriately met. You will need to provide documentation of your disability to the Disability Services Office in Willard 322 (phone 303-492-8671).

Policy Regarding Academic Dishonesty

Academic dishonesty will not be tolerated. Breaches of this policy will result in a course grade of F and a reporting of the incident to academic affairs.

Course Calendar (link)

Course Assignments (link)