Office. Economics Building 105.

Meetings. Tuesdays and Thursdays (TTH) 2:00 PM - 3:15 PM, HUMN 1B45.

Office hours. Tuesdays and Thursdays from 5:00 PM - 6:00 PM or by appointment. For an appointment email carlos.martins@colorado.edu.

Class URL. http://spot.colorado.edu/~martinsc/Econ_4848.html.

Prerequisites. Successful completion of ECON 3818 and ECON 3070 (recommended).

Course description and objectives. The main objective of this course is to equip you with basic undergraduate statistical/econometric knowledge and computational tools necessary to conduct basic empirical research. To that end we will:

1. study the classical linear regression model and extend it in selective ways (feasible GLS, IV estimation, limited regressands).

2. introduce you to the basic features of MATLAB, a computational software that can be used for statistical/econometric analysis.

Grades. Your course grade will be determined by two midterm and a final examination. In addition, there will be three homework sets. These homework sets will not be graded but you MUST turn in your answer by the due date. Failure to do so will result in a 10 percent reduction in your course grade for each homework you fail to turn in. Completion of the homework sets is critical for successful performance on the midterm and final examinations. If you find yourself incapable of answering the homework sets you will probably be incapable of answering the questions on the midterm and final examinations. Homework sets will be posted on the class website.

The table below lists all evaluations, provides dates, and points.

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Points</th>
<th>Date and time</th>
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</thead>
<tbody>
<tr>
<td>homework 1</td>
<td>-</td>
<td>available 09.15 and due 09.22</td>
</tr>
<tr>
<td>homework 2</td>
<td>-</td>
<td>available 10.20 and due 10.27</td>
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<tr>
<td>homework 3</td>
<td>-</td>
<td>available 11.29 and due 12.8</td>
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<tr>
<td>midterm 1</td>
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<td>9.22</td>
</tr>
<tr>
<td>midterm 2</td>
<td>30 points</td>
<td>10.27</td>
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<tr>
<td>final</td>
<td>40 points</td>
<td>12.14, 1:30 PM - 4:00 PM</td>
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Software. MATLAB is available in the computer laboratory in the basement of the Economics Building and in Humanities 1B45. Visit http://webdata.colorado.edu/labs/map/ for a list of computer laboratories on campus where MATLAB is available.
There are multiple sources of information online about MATLAB. A particularly useful book for the basic features of the software is,


This is one of many step-by-step manuals/guide to MATLAB that are commercially available. It is very easy to read and provides speedy access to the many resources this software offers. Another useful (freely available) step-by-step source is


**Topics and readings.**

Chapters and sections are from the textbook. Handouts are available from my webpage in PDF format.

1. Econometrics and economic data: chapter 1 and handout called **Econometrics**.
2. The simple linear regression model and the least squares estimator: chapter 2, sections 2.1-2.6.
3. Multiple linear regression (MLR) model and the least squares estimator: chapter 3, sections 3.1-3.5, Appendix D, Appendix E.

**Important information.**

- If you qualify for accommodations because of a disability, please submit a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail dsinfo@colorado.edu. If you have a temporary medical condition or injury, see Temporary Medical Conditions: Injuries, Surgeries, and Illnesses guidelines under Quick Links at Disability Services website and discuss your needs with me.

- Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, if the midterm, final or homework due dates prevent/inhibit you from exercising your rights to religious observance, please inform me by August 29, so that reasonable accommodations can be made. See full details at www.colorado.edu/policies/fac_relig.html.
Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran’s status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student’s legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See polices at www.colorado.edu/policies/classbehavior.html and at www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code.

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All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council honor@colorado.edu; 303-725-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at www.colorado.edu/policies/honor.html and at http://honorcode.colorado.edu.