Course Objective: This course introduces the basic tools used to empirically investigate economic theory and behavior. We develop the classical regression model and discuss how to apply the methodology to real-world economic problems.

In order to fully complete the out-of-class projects you will need access to a statistical software package. The university provides on-campus and remote access to Stata, which is the recommended software for this class. The free econometrics program GRETL will also be supported.

Text: *Introductory Econometrics* by James Stock and Bill Watson. I do not teach out of that particular textbook, so you can purchase any edition you wish (the older the cheaper!). Alternative textbooks would be *Undergraduate Econometrics* by Carter Hill, William Griffiths, and George Judge. The textbook is recommended but NOT required.

Course Web Page: Available at canvas.uncc.edu.

Grading: Grading will proceed in the following manner.

- 16 module quizzes worth 150 points total
- 5 Homework projects worth 30 points each
- 2 exams worth 100 points each

Out of the possible 500 points in the class, the grades are as follows:

A 50-450  B 449-400  C 399-350  D 349-300  F 299-0

Extra Credit: Individual extra credit projects are not offered in this class.

Class Participation: This version of the course is on-line rather than face-to-face. This presents a bit of a challenge for learners as you are not required to attend class to keep up with the course material. However, I will record all of the lecture material as if we were in a face-to-face classroom - so to that extent you will experience my lectures but asynchronously. In order to keep you motivated to stay on pace, each module of the course will have self-directed quizzes which will contribute, in total, 150 points to your final grade. Each quiz has a due date following the suggested timeline that I have provided in the first module “Introduction to the Class.”

There will be five out-of-class projects that will comprise 150 points of your final grade. Each project will have a due date but I will accept late submissions that can earn up to 60% of the original projects point value.
Academic Honesty: Please note that academic misconduct (cheating) will NOT be tolerated. In an online environment it is difficult to monitor academic honesty. I will adapt the course structure so that your natural temptation to use the internet and other tools becomes a feature rather than a bug. However, the university has created an academic honesty module which I have included on the class Canvas page and which has an associated quiz. That quiz is required by September 11, 2018 and will contribute up to 13 points to your final grade.

I allow collaboration on homeworks and module quizzes. However, collaboration is not allowed during the midterm and final exams, although the exams will be open-book, open-internet, open-note.

Grade Grievances: You have one calendar year from the date the grade is assigned to initiate any grievance.

Make-up Exams and Tardy Projects: Make-up exams are generally not offered. The two exams will be offered online through Canvas and will be open book, open note, open internet (but you are not to collaborate with each other). Any homework project turned in late can earn a maximum of 60% of the project’s original value.

ADA Compliance: As a faculty member, I am required by law to provide “reasonable accommodation” to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels. I have also tried to make the Canvas website and posted notes to be ADA compliant. If you find problems accessing any of the documents or information on the course Canvas site, please let me know as soon as possible so that I can try to remedy the situation in a timely manner.

Cell Phones: I will not impose any limitation on your use of cell phones and other devices.

Statement on Diversity: The Belk College of Business strives to create an inclusive academic climate in which the dignity of all individuals is respected and maintained. Therefore, we celebrate diversity that includes, but is not limited to, ability/disability, age, culture, ethnicity, gender, language, race, religion, sexual orientation, and socio-economic status.

Zoom Netiquette: While most of us can use common sense when it comes to online etiquette, I will offer the following general guidelines:

1. Mute your microphone (Links to an external site.)
2. Be mindful of background noise
3. Position your camera properly
4. Limit distractions
5. Avoid multi-tasking
6. Prepare materials in advance

Some important dates:

- Classes begin: September 7
- Thanksgiving Break: November 25-28
- Classes End: December 15
- Exam #1: Due by Friday, October 23
- Exam #2: Due by Thursday, December 24 [subject to change: see university exam schedule]
<table>
<thead>
<tr>
<th>Topic</th>
<th>Book</th>
<th>Week</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
<td>Week 1</td>
<td>Sep 13</td>
</tr>
<tr>
<td>Statistical Concepts &amp; Stata</td>
<td>2, 3</td>
<td>Week 2-3</td>
<td>Sep 19</td>
</tr>
<tr>
<td>Simple Regression Model: Derivation</td>
<td>4</td>
<td>Week 3-4</td>
<td>Oct 2</td>
</tr>
<tr>
<td>Simple Regression Model: Implementation &amp; Interpretation</td>
<td>4</td>
<td>Week 4</td>
<td>Oct 5</td>
</tr>
<tr>
<td>Simple Regression Model: Properties</td>
<td>4</td>
<td>Week 5</td>
<td>Oct 9</td>
</tr>
<tr>
<td>Simple Regression Model: Inference &amp; Hypothesis Testing</td>
<td>5</td>
<td>Week 5-6</td>
<td>Oct 16</td>
</tr>
<tr>
<td>Simple Regression Model: Diagnostics</td>
<td>4</td>
<td>Week 6</td>
<td>Oct 19</td>
</tr>
<tr>
<td>Multiple Regression Model: Derivation</td>
<td>6</td>
<td>Week 7</td>
<td>Oct 26</td>
</tr>
<tr>
<td>Multiple Regression Model: Implementation &amp; Interpretation</td>
<td>6</td>
<td>Week 8</td>
<td>Oct 30</td>
</tr>
<tr>
<td>Multiple Regression Model: Inference &amp; Hypothesis Testing</td>
<td>7</td>
<td>Week 8-9</td>
<td>Nov 6</td>
</tr>
<tr>
<td>Multiple Regression Model: Diagnostics</td>
<td>6.4</td>
<td>Week 9</td>
<td>Nov 8</td>
</tr>
<tr>
<td>Multiple Regression Model: Functional Forms</td>
<td>8</td>
<td>Week 10</td>
<td>Nov 15</td>
</tr>
<tr>
<td>Multiple Regression Model: Potential Problems</td>
<td>6.1, 6.7, 9</td>
<td>Week 11</td>
<td>Nov 22</td>
</tr>
<tr>
<td>Heteroscedasticity</td>
<td>17.6</td>
<td>Week 12</td>
<td>Dec 4</td>
</tr>
<tr>
<td>Autocorrelation</td>
<td>14.3</td>
<td>Week 13</td>
<td>Dec 12</td>
</tr>
<tr>
<td>Applying Econometrics</td>
<td></td>
<td>Week 14</td>
<td></td>
</tr>
</tbody>
</table>

Proposed zoom sessions:
1. Sep 8
2. Sep 24
3. Oct 8
4. Oct 27
5. Nov 10
6. Nov 24
7. Dec 8
8. Dec 15
9. As requested