

**University of Florida**  
**College of Public Health & Health Professions Syllabus**  
**HSA7437: Advanced Health Economics & Health Econometrics (3 credit hours)**  
 Spring: 2016  
 Delivery Format: On-Campus

Instructor Name: Maude Laberge, PhD  
 Course Hours and Location: Wednesday 2:50-3:50  
 Phone Number: 352-273-5059  
 Email Address: [maude.laberge@phhp.ufl.edu](mailto:maude.laberge@phhp.ufl.edu)  
 Office Hours: By appointment  
 Teaching Assistants: None  
 Preferred Course Communications (e.g. email, office phone): email

### Prerequisites

HSA 6436 Health Economics or equivalent  
 Some basic statistics course

## PURPOSE AND OUTCOME

### Course Description

The purpose of this course is to learn how to use econometric tools to conduct advanced economic analysis of choices made in production, exchange and consumption of goods and services in the healthcare sector. The course introduces students to the concept of data generating process (DGP) and to methods and tools to determine the appropriate DGP from a range of possibilities.

### Instructional Methods

Lectures & Seminars by the Professor and the students. In-class exercises on STATA.

## DESCRIPTION OF COURSE CONTENT

### Topical Outline/Course Schedule

Week	Date(s)	Topic(s)	Readings
1	1/6	Introduction: The Econometric Approach	Chapter 1. Wooldridge
2	1/13	Ordinary Least Squares Regression - Univariate	Chapter 2 Wooldridge
3	1/20	Ordinary Least Squares Regression - Multivariate	Chapter 3 Wooldridge
4	1/27	Ordinary Least Squares Regression - Inference	Chapter 4 Wooldridge
5	2/3	OLS Regression – More Post-estimation	Chapters 5 & 6 Wooldridge
6	2/10	Binary variables	Chapter 7 Wooldridge
7	2/17	Heteroscedasticity	Chapter 8 Hill, Griffiths & Lim [HGL]
8	2/24	Data Issues	Chapter 9 Wooldridge
3/1	SPRING BREAK – NO CLASS		

Week	Date(s)	Topic(s)	Readings
9	3/9	Time Series	Chapter 9 HGL
10	3/16	Instrumental Variables Estimation	Chapter 10 HGL
11	3/23	Simultaneous Equations Modelling	Chapter 11 HGL
12	3/30	Writing an empirical paper	Chapter 19 Wooldridge + Chapter 1 HGL p11-13
13	4/6	Student Presentations	
14	4/13	Student Presentations	
	4/27	Final Paper Due	

### Course Materials and Technology

#### Required Materials & Textbook

STATA statistical software (any version)

Wooldridge JM. Introductory Econometrics (6<sup>th</sup> Ed). Cengage Learning 2015

Hill RC, Griffiths WE, Lim GC. Principles of Econometrics (4<sup>th</sup> Ed) Wiley 2011

#### Required Readings

Assigned journal articles and lecture notes are available on CANVAS. All listed readings are required unless otherwise noted. Students are expected to have read all required readings prior to each lecture and should understand the issues covered in each article.

#### Suggested Material

STATA reference manual

For technical support for this class, please contact the UF Help Desk at:

- [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu)
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

## ACADEMIC REQUIREMENTS AND GRADING

### Assignments

Your grade will be based on your performance on exercises (40%), a presentation of your project (10%), and a final paper (40%). Ten points will be allocated to participation.

### Grading

Requirement	Due date	Points or % of final grade (% must sum to 100%)
Exercises	Varies	30%
Paper proposal	2/17	10%
Presentation	varies	10%
Final Paper	4/27	50%
Participation		10%

The main outcome of this course is the final paper. The final paper is a project on a topic to be selected by students and related to the material of the course. The purpose is for student to identify an empirical question

related to health care that can be answered with the econometric tools taught in the course. The student should take an economic perspective on the topic. The paper should be no longer than 20 pages double-spaced and include a conceptual framework that draws from economic theory, methods, results and a discussion.

Students will each present their work in a seminar format. The presentation will be graded as follows:

- Context: aim of the project, what is the issue and why is it important? (2 points)
- Economic theory and application to the issue (2 points)
- Econometric Model : Methods, Data, Statistical Analysis (3 points)
- Results & Discussion of the Findings (2 points)
- Oral presentation: clarity of the presentation, answers to questions (1 point)

The final paper is worth 50 points and will be graded as follow:

- Context: aim of the project, what is the issue and why is it important? (5 points)
- Economic theory and application to the issue (10 points)
- Econometric Model : Methods, Data, Statistical Analysis (10 points)
- Results (10 points)
- Discussion of the Findings (10 points)
- Paper organization, grammar and spelling (5 points)

Point system used (i.e., how do course points translate into letter grades).

<b>Points earned</b>	93-100	90-92	87-89	83-86	80-82	75-79	70-74	65-69	-	-	-	<65
<b>Letter Grade</b>	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E

Please be aware that a C- is not an acceptable grade for graduate students. In addition, a grade of C counts toward a graduate degree only if an equal number of credits in courses numbered 5000 or higher have been earned with an A.

You must include the letter grade to grade point conversion table below. Letter grade to grade point conversions are fixed by UF and cannot be changed.

<b>Letter Grade</b>	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E	WF	I	NG	S-U
<b>Grade Points</b>	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0.0	0.0	0.0	0.0	0.0

For greater detail on the meaning of letter grades and university policies related to them, see the Registrar's Grade Policy regulations at:

<http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

### Exam Policy

All exams will take place in-class during the scheduled class times as indicated on the syllabus.

### Policy Related to Make up Exams or Other Work

There will be **no** make up exercises except for extreme circumstances (e.g. admitted to hospital) with valid evidence of the extreme circumstance.

### Policy Related to Required Class Attendance

Students are expected to attend and participate in all class sessions and be in attendance prior to the beginning of the class period. Students should inform the instructor if they will miss a class. Personal issues with respect to class attendance or fulfillment of course requirements will be handled on an individual basis.

All faculty are bound by the UF policy for excused absences. For information regarding the UF Attendance Policy see the Registrar website for additional details:  
<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

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## STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT

### Expectations Regarding Course Behavior

Students are expected to have read all required readings prior to each lecture and should understand the issues covered in each article.

### Communication Guidelines

Students are expected to participate in class discussions. Cellphones must be turned off and put away during class time. Laptops are allowed for taking notes only.

### Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

**“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”**

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

**“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”**

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>  
<http://gradschool.ufl.edu/students/introduction.html>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

### Online Faculty Course Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

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## SUPPORT SERVICES

### Accommodations for Students with Disabilities

If you require classroom accommodation because of a disability, you must register with the Dean of Students Office <http://www.dso.ufl.edu> within the first week of class. The Dean of Students Office will provide documentation of accommodations to you, which you then give to me as the instructor of the course to receive accommodations. Please make sure you provide this letter to me by the end of the second week of

the course. The College is committed to providing reasonable accommodations to assist students in their coursework.

### **Counseling and Student Health**

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>. On line and in person assistance is available.
- You Matter We Care website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: <https://shcc.ufl.edu/>
- Crisis intervention is always available 24/7 from:  
Alachua County Crisis Center  
(352) 264-6789  
<http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>

Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

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