

Huron University College
Department of Economics
Eco 2222A– Intermediate Econometrics I
Fall 2018
Classroom: V210
Time: Tuesdays 1:30-2:30
Thursdays 12:30-2:30

Instructor: Dr. Mahdiyeh Entezarkheir

Office: v122

E-Mail: Please send your emails to: prof.mahdiyeh@gmail.com

Phone: 519-438-7224 ext217

Instructor's Office Hours: Wednesdays 10:30 to 11:30. To avoid any delay during office hours, please send me an email to book a spot. If this timing is not conducive to your schedule, please feel free to email me so that we can set up an appointment.

Course Webpage:

<https://owl.uwo.ca/portal>

Please check announcements of the course in the above address regularly.

Course Objectives

The objective of this course is familiarizing students with descriptive statistics, probability, confidence intervals, tests of hypotheses, and simple and multiple linear regression. Concepts will be explained using examples and problems. There is a large amount of material to cover in this course. I will attempt my best to cover as much as the limited time will permit.

Course Method

This course is designed to introduce students to statistical methods needed in economics. We begin the term with some introduction to data in statistics. We proceed with explaining descriptive statistics such as mode and median. Then, we will move to an introduction on probability and probability distributions. Sampling, confidence intervals, hypothesis testing, simple and multiple regressions, and more advanced topics on regression analysis such as heteroskedasticity will be also covered in this course.

In order to help students to develop analytical and quantitative skills to handle economic problems with data analysis, a considerable amount of practice questions will be solve during each lecture.

Prerequisites

Elementary algebra and calculus, Economics 1021A/B and 1022A/B, or Economics 1020, 0.5 from Mathematics 1225A/B, Calculus 1000A/B, 1100A/B, and 0.5 from Mathematics 1229A/B, Calculus 1301A/B, 1501A/B, the former Linear Algebra 1600A/B; or the former Mathematics 030.

Completion

The final grade is a weighted average of the following components:

- Midterm, 35% [Thursday, **October 25**, during class time]
- Group assignment 30% (Details will be specified in class)
- Final exam, 35%
- Group bonus Pop-Quiz (on Top of 100%)

I report the highest of Mark A and Mark B at the end of the term.

Mark A=35% Midterm+30% Assignment+35% Final+bonus quiz

Mark B=20% Midterm+30% Assignment+50% Final+bonus quiz

-Assignment (30%)

- Assignments are group assignments.
- Number of students in each group will be decided in class.
- I will group students in alphabetical order, and I will announce groups on OWL.
- If a student would like to change his or her group and join another group, that student needs to get into a mutual agreement with a student in the other group. Then, both students should email me about their group change. The instructor will not do the negotiations.
- **Any group change must be done by September 28. Changes after this date are not allowed.**
- If a student in a group does not participate, it is the duty of the rest of the group to inform the instructor. How?
 - A student who feels a groupmate is shirking should send an email to that student, cc me (prof.mahdiyeh@gmail.com) in that email, and explain the problem to that student **at least a week** before the due date of the assignment.
 - I will also contact that student, and if I am convinced that the suggested student is indeed shirking, I will give that student zero on that assignment.
 - I do not accept any complaint from groupmates after the assignment is submitted.
- Each group will solve the assignment and hand in only one copy, which is typed (not hand-written) and stapled, on the due date of the assignment right in the beginning of the class.
- Late or missed assignment submission for a group results in mark of zero.
- **Duplicate** submission of an assignment will result in the mark of zero for the whole group as it is a waste of time for me.
- Each assignment will be solved in class on the due date. Thus, a late assignment does not make sense.
- **No answer key for assignments** will be posted on-line. It will be solved on the board. Please be in class to get the correct answer.

-Midterm exam (35%)

- Midterm is based on the lectures which will be specified by the instructor.
- The format of the exam will be explained in the class.
- All midterms should be collected within **15** days from the day that marked midterms are returned in class.

- Any complaint on the midterm mark should be done within **15** days from the day that marked midterms are returned in class. No complaint on the midterm mark will be considered after this date. Any student that submits a test for remarking should understand that their grade may improve, remain unchanged or perhaps even decrease as a result of the remarking process.
- **No make-up tests will be provided, if a student is absent.** For Academic Accommodation for Medical/Non-Medical Grounds please refer to the appendix that follows this outline. In case a proper documentation is not provided in a timely manner, the student receives no grade on the test and his/her final grade will be computed in accordance with the specified assessment above.
- If a proper documentation is provided, **the grade of the missed test will be prorated to the final exam of the course.**

-Final Exam (35%)

- Final exam will be scheduled by the registrar.
- **The final exam will cover all course material for the whole term.**
- The Registrar's Office will send a final grade to each student.

-Bonus Pop-quiz

- There will be pop-quizzes throughout the term in the class time.
- Each quiz is worth of 1%, and it is a bonus mark on top of 100%.
- Depending on the pace of lectures, there will be around 5 to 10 quizzes. Therefore, be in class not to miss these bonus marks.
- If a student comes to the class after the quiz distribution, that student is more than welcome to join the class but he/she cannot take the quiz.
- If for whatever reason a student misses a quiz, even if he or she has a doctor's note, or any other acceptable reason for being absent, that student will miss the pop quiz mark. Remember this is a bonus mark.
- The mark for the pop quiz will not be provided throughout the term. Please do not ask.

Policy on Missed Classes

If you miss a class, read notes carefully and if you still have questions come and see me otherwise you will need to use a tutor.

Textbook

Required: Paul Newbold, William Carlson, and Betty Thorne, Statistics for Business and Economics with Student Solutions & MyStatLab RVP, ISBN: 9781269547666.

- The textbook is available at the BookStore at western
- The textbook is accompanied by a student solution manual and MyStatLab.
- Textbook is required as
 - you should read the chapters in advance.
 - you should read specific pages
 - you should solve specific practice questions from the text.

Sources for Practice Questions

- Examples solved during lectures: I will solve practice questions during lectures as much as time permits.
- Sets of practice questions with their solutions are posted on OWL.
- Group assignments during the term.
- Bonus pop-quizzes during the term.
- The student solution manual which accompanies the textbook: This book contains detailed solutions to all even numbered exercises and applications in the textbook.
- MyStatLab which is bundled with your textbook and contains tutorial exercises which are algorithmically generated for unlimited practice. The code for MyStatLab will be posted in OWL.

Tentative Course Schedule

We are going to cover the following topics during lectures, as much as time permits:

- Descriptive Statistics (Chapters 1, 2)
- Introduction to Probability (Chapter 3)
- Probability Distribution (Chapters 4 and 5)
- Sampling and Sampling Distribution (Chapter 6)
- Intervals (Chapters 7 and 8)
- Hypothesis Testing (Chapters 9 and 10)
- Simple Regression (Chapter 11)
- Multiple Regression (Chapter 12)
- Additional Topics in Regression Analysis (Chapter 13)

Lecture Notes and Practice Questions Solved during Lectures:

- I will post lecture slides (if any) before class on **the course webpage for your convenience.**
- These are the lecture notes that I base my lectures on, but of course I elaborate on them in the class. These notes are useful for review, but they are not meant to take the place of lectures. Students who rely on notes only, traditionally do not do well on their exams in my courses.
- Additionally, I solve a lot of practice questions during lectures. To get solutions, students need to be present in the lectures. I do not provide an answer key to those questions separately. Please do not ask. Answers will be written by the instructor on the board only.
- **Students who are present during lectures and get the written answers on the board for practice questions are more than welcome to ask questions during office hours with regards to those solutions. However, if a student was absent, I do not solve the question for the absent student separately during office hours. Thus, absent students should not expect such a service from the instructor.**
- Materials covered in lectures regardless of whether they appear on the posted slides are in exams.

Communication with the Instructor:

- Please only e-mail the instructor for administrative purposes and please only email to this address:

prof.mahdiyeh@gmail.com

- When emailing the instructor, the **subject of the e-mail must contain Econ 2222**. Otherwise, the email will not be considered as I do not know exactly who the sender is.
- I will respond to emails within 24 hours during business hours.
- I answer your course related questions in person to help you understand better and avoid any miscommunication via email or phone. So use office hours or feel free to make an appointment. I also welcome as many questions as possible during class time.

Note on Recording Lectures and Cell phones:

- Please respect class and your friends and turn off your cell phone during lectures.
- Instructor prohibits recording her lectures and taking pictures of the board.

Conduct of Students in Lectures and Office Hours:

The registration at Huron University College implies that registered students have accepted the principals of respect, dignity, and well-being of others. Thus, students are expected to follow proper behaviour. For more information about the rules and regulations related to the Code of Student Conduct, you may consult with the Code of Student Conduct Policy available at <https://www.uwo.ca/univsec/pdf/board/code.pdf>

Moreover, students should behave in a professional manner that supports the learning environment of others during lectures or office hours. Laptops should be used for classroom purposes only so as not to disrupt the people sitting around you. Students should arrive in sufficient time to be seated and ready for the start of the class and remain silent while the professor or another student is speaking. If a student is going to be late, or know that will have to leave class early, he or she should be courteous: sit in an aisle seat and enter and leave quietly.



The Appendix to Course Outlines is posted on the OWL course site.