

ECONOMETRICS I
ECONOMICS EC2122A-001
Department of Economics
Western University

September 2020

General Information:

Instructor: Charles MAO TAKONGMO
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E-mail: cmaotako@uwo.ca
Virtual Office hours with Zoom: M 13:00-15:00, W 13:00-15:00, or by appointment
Classroom meeting time(s) & location: Asynchronous and online
Course website: <https://owl.uwo.ca/portal>
Undergraduate inquiries: 519-661-3507 or SSC Room 4075 or econugrd@uwo.ca

Registration:

You are responsible for ensuring you are registered in the correct courses. If you are not registered in this course, the Department will not release any of your marks until your registration is corrected. You may check your timetable by using the Login on the Student Services website at <https://student.uwo.ca>. If you notice a problem, please contact your home Faculty Academic Counsellor immediately.

Prerequisite Note:

The prerequisite(s) for this course is are Economics 1021A/B and Economics 1022A/B, or Economics 2001A/B, and one of MCV4U, Mathematics 0110A/B, Calculus 1000A/B, Calculus 1500A/B, Mathematics 1225A/B or the former Calculus 1100A/B.

Prerequisite(s) for your course can be found in the Western Calendar at:
<http://westerncalendar.uwo.ca/Courses.cfm?Subject=ECONOMIC&SelectedCalendar=Live&ArchiveID>

You are responsible for ensuring that you have successfully completed all course prerequisites, and that you have not taken any anti-requisite courses. Lack of prerequisites may not be used as a basis for appeal. If you are found to be ineligible for a course, you may be removed from it at any time and you will receive no adjustment to your fees. This decision cannot be appealed.

If you find that you do not have the course prerequisites, it is in your best interest to drop the course well before the end of the add/drop period. Your prompt attention to this matter will not only help protect your academic record, but will ensure that spaces become available for students who require the course in question for graduation.

Course Objectives:

This course provides an introduction to probability, econometrics and inferences. It will introduce students to such topics as samples, populations, statistics, parameters, and inferences. The course will also help students understand the fundamentals theories behind scientific analysis, using real data. Topics to be covered include descriptive statistics, probability distributions, random variables, estimators, sampling distributions, confidence intervals, tests hypotheses and linear regression.

Course Learning Outcomes:

Students will gain the ability to:

- Understand the main rules of probability and the methods of calculating probability distributions for both discrete and continuous random variables
- Understand the concepts of sample, population, statistics and parameters
- Calculate point estimates of population parameters, sampling distribution of the estimates and confidence intervals for the population parameters, as well as formulate tests for statistical hypotheses.
- Use linear regression to analyse the link between variables, using real data.

Textbook(s):

Newbold, Carlson and Thorne, *Statistics for Business and Economics* (8th Edition) Prentice Hall (2013).

Important note: MyLab is mandatory. Assessments for this course will be conducted using MyLab. Students will be able to purchase their resources from the UWO bookstore or directly through MyLab (during registration). The MyLab Course ID will be available on OWL. Students must use their UWO email address as their identification when registering on MyLab.

Grading:

There will be four quizzes and one cumulative final exam. The tentative dates and the weight for each exam are presented below.

Evaluations	Date (tentative)	Starting time (tentative)	Weight
Online quizzes	Sep 29, Oct 20, Nov 10, Nov 19	5:00 pm, ET (Eastern time)	50%
Final Exam	TBA	TBA	50%

There will not be any make-up for quizzes. If you are unable to take a quiz for a medical reason (and are excused), your grade for that quiz will be your final exam grade.

The exact dates and times of each quiz will be updated later. Note that each quiz will last 60 minutes. You will have a three-hour window to start and submit your responses to MyLab. For

example, if the first quiz starts on September 29 at 5 p.m., you will need to submit your answer to MyLab on September 29 by 8 p.m. However, after you start the quiz, you will need to complete it within 60 minutes or less. For example, if you start at 5:00 p.m., your exam will end at 6:00 p.m. If you start at 7:30 p.m., you will only have 30 minutes to answer the quiz.

The duration for the final exam will be 120 minutes. For the final exam, you will have a four-hour window to start and submit your answers to MyLab.

Topics Covered and Readings:

1. Descriptive Statistics (Chapters 1-2)
2. Probability (Chapter 3)
3. Discrete Random Variables and Probability Distributions (Chapter 4)
4. Continuous Random Variables and Probability Distributions (Chapter 5)
5. Sampling and Sampling Distributions (Chapter 6)
6. Estimation (Chapters 7-8)
7. Hypotheses Testing (Chapters 9-10)
8. Simple Regression (Chapter 11)

Copyright:

Lectures and course materials, including power point presentations, outlines, and similar materials, are protected by copyright. Students may take notes and make copies of course materials for their own educational purposes. Students may not record lectures, reproduce (or allow others to reproduce), post or distribute lecture notes, wiki material, and other course materials publicly and/or for commercial purposes without written consent.

Online Etiquette:

Some components of this course will involve online interactions. Only participants using UWO credentials will be given access to online interactions, including office hours. To ensure the best experience for both you and your classmates, please honour the following rules of etiquette:

- please “arrive” to any online meetings on time
- please use your computer and/or laptop if possible (as opposed to a cell phone or tablet)

- ensure that you are in a private location to protect the confidentiality of discussions in the event that a class discussion deals with sensitive or personal material
- to minimize background noise, kindly mute your microphone for the entire class until you are invited to speak, unless directed otherwise
- In order to give us optimum bandwidth and web quality, please turn off your video camera for the entire class unless you are invited to speak
- please be prepared to turn your video camera off at the instructor's request if the internet connection becomes unstable
- unless invited by your instructor, do not share your screen in the meeting

The course instructor will act as moderator for the class and will deal with any questions from participants. To participate please consider the following:

- if you wish to speak, use the “raise hand” function and wait for the instructor to acknowledge you before beginning your comment or question
- remember to unmute your microphone and turn on your video camera before speaking
- self-identify when speaking.
- remember to mute your mic and turn off your video camera after speaking (unless directed otherwise)

General considerations of “netiquette”:

- Keep in mind the different cultural and linguistic backgrounds of the students in the course.
- Be courteous toward the instructor, your colleagues, and authors whose work you are discussing.
- Be respectful of the diversity of viewpoints that you will encounter in the class and in your readings. The exchange of diverse ideas and opinions is part of the scholarly environment. “Flaming” is never appropriate.
- Be professional and scholarly in all online postings. Cite the ideas of others appropriately.

Note that disruptive behaviour of any type during online classes, including inappropriate use of the chat function, is unacceptable. Students found guilty of Zoom-bombing a class or of other serious online offenses may be subject to disciplinary measures under the Code of Student Conduct.

Please Note
Department & University Policies for 2020-2021

The University expects all students to take responsibility for their own Academic Programs. Students should check their registration to ensure they are enrolled in the correct courses.

Academic Rights and Responsibilities: Students should be familiar with their “Academic Rights and Responsibilities” as outlined [here](#) in the Western Academic Calendar. Claiming that “you didn’t know what to do” is not an acceptable excuse for not following the stated procedures.

Guidelines and Policies for Students are posted online in the current Western Academic Calendar at <http://westerncalendar.uwo.ca>. Undergraduate information for the Faculty of Social Science can be found at: <https://www.ssc.uwo.ca/undergraduate/index.html> and for the Department of Economics at: <https://economics.uwo.ca/undergraduate/index.html>.

Rules of Conduct for Examinations: Students are expected to know the university’s Rules of Conduct for Examinations, available [here](#).

Cheating and Academic Offences: Students are responsible for understanding what it means to “cheat.” The Department of Economics treats cheating and other academic offences very seriously and will investigate any suspect behavior. Students found guilty will incur penalties that could include a failing grade or being barred from future registration in Economics courses or programs. The University may impose further penalties such as suspension or expulsion.

Plagiarism: Plagiarism is an academic offence. Students must write their essays and assignments in their own words. Ideas/passages taken from another author must be referenced with footnotes or citations and acknowledged with quotation marks where appropriate. Western University uses software to check for plagiarism and students may be required to electronically submit their work. Those found guilty will be penalized as noted in point 3. See Scholastic Discipline for Undergraduate Students [here](#) in the Western Academic Calendar.

Academic Appeals: Students should refer to the Student Academic Appeals section [here](#) in the Western Academic Calendar. Please note the relevant deadlines.

Department Appeals Procedures: The Department will not consider an appeal unless an attempt has been made to settle the matter with the instructor first. Students who remain dissatisfied with the outcome may submit a written appeal to the Undergraduate Director in Economics, stating the reasons for their appeal. Information on the Department of Economics’ appeals procedure and the appeals form are available [here](#).

Systematic Adjustments: Systematic adjustments of class grade distributions (either up or down) can occur in Economics courses. The systematic adjustment of a class grade distribution is **not** grounds for an appeal.

Add/drop deadlines:

Deadline to add a first term half course:

Thursday September 17, 2020

Deadline to drop a first term half course:

Thursday November 12, 2020

Oversleeping or Misreading the Exam Schedule: Faculty of Social Science policy states that oversleeping or misreading the exam schedule is NOT grounds for a makeup. This rule applies to all exams in the Department of Economics.

End of Term Travel: Students must book travel arrangements AFTER final exam dates have been posted; travel is not an acceptable excuse for absence from a final exam.

Rewriting Exams and Retroactive Reweighting are NOT Permitted: Students who proceed to write a test or examination must be prepared to accept the mark. Rewriting tests or examinations, or retroactive reweighting of marks, is **not** permitted.

Accommodation Policies: Students with disabilities should work with Accessible Education (formerly SSD), which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The accommodation policy can be found here: [Academic Accommodation for Students with Disabilities](#).

Academic Consideration for Student Absence: Students will have up to two (2) opportunities during the regular academic year to use an on-line portal to self-report an absence during the term, provided the following conditions are met: the absence is no more than 48 hours in duration, and the assessment for which consideration is being sought is worth 30% or less of the student's final grade. Students are expected to contact their instructors within 24 hours of the end of the period of the self-reported absence, unless noted on the syllabus. Students are not able to use the self-reporting option in the following circumstances:

- for exams scheduled by the Office of the Registrar (e.g., December and April exams)
- absence of a duration greater than 48 hours
- assessments worth more than 30% of the student's final grade
- if a student has already used the self-reporting portal twice during the academic year

If the conditions for a Self-Reported Absence are *not* met, students will need to provide a Student Medical Certificate if the absence is medical or provide appropriate documentation if there are compassionate grounds for the absence in question. Students are encouraged to contact their Faculty academic counselling office for more information about the relevant documentation. It is strongly recommended that students notify the instructor as soon as possible, ideally before the assessment, when they become aware of an absence. University policy is that students must communicate with their instructors no later than 24 hours after the end of the period covered by the SMC or immediately upon their return from their documented absence. Failure to follow University policy and procedures may result in denial of academic accommodation and a grade of zero.

Individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds or for other reasons. **All required documentation for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counselling office of a student's Home Faculty.**

For Western University policy on Consideration for Student Absence, see:
[Policy on Academic Consideration for Student Absences - Undergraduate Students in First Entry Programs.](#)

For the Student Medical Certificate (SMC), see:
http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf.

Religious Accommodation: Students should consult the University's list of recognized religious holidays and should give reasonable notice in writing, prior to the holiday, to the Instructor and an Academic Counsellor if their course requirements will be affected by a religious observance. Additional information is given in the [Western Multicultural Calendar](#).

Policy Regarding Class Attendance and Engagement: If the instructor deems a student's attendance or engagement in the class to be unsatisfactory, that student may be prohibited from writing the final examination. Examples of unsatisfactory class engagement include frequent absences from an in-person or synchronous online class, lack of assignment submissions, and inadequate use of online course materials. Instructors who intend to make use of this policy will notify the student in advance.

Statement on Mental Health and Support Services: Students under emotional/mental distress should visit http://uwo.ca/health/mental_wellbeing/ for more information and a complete list of resources on how to obtain help.