

ECONOMETRICS II
ECONOMICS EC2123B-002
Department of Economics
Western University

January 2020

General Information:

Instructor:Deanna Walker

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Office hours:TBA

Classroom meeting time(s) & location:

Monday 9:30-11:30 a.m. and Wednesday 9:30-10:30 a.m. in HSB 240

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): 2122A/B; and 0.5 course from: Mathematics 1225A/B, Calculus 1000A/B, Calculus 1500A/B or the former Calculus 1100A/B.

Anti-requisite(s): Economics 2223A/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 serves as an introduction to regression analysis, beginning with multivariate probability distributions and the classical linear regression model, and then moving to multiple linear regression and other extensions.

Expectations:

In addition to the scheduled examinations, students are expected to participate actively, including completing homework exercises and any readings which may be assigned, and attending lectures.

Lectures are an integral component of the course credit. According to university policy, any student who is absent too frequently in the opinion of the instructor may be debarred from the final exam after due warning has been given (see the Policy Regarding Class Attendance in the “Please Note” section below, the Attendance Regulations for Examinations in the Academic Calendar). I do make use of this policy.

Students are expected to conduct themselves respectfully, arriving on time and refraining from use of technology (laptops, cell phones) or other disruptive behaviour in the classroom.

Course Learning Outcomes:

Students will:

Interpret empirical economic relationships using simple and multiple regression techniques

Analyze properties of simple and multiple linear regression estimates

Identify model assumptions and their implications and interpretations

Construct appropriate confidence intervals and hypothesis tests

Textbook:

Jeffrey M. Wooldridge, Introductory Econometrics: A Modern Approach, 7th edition, Cengage, 2016.

Earlier editions of the textbooks may be very similar. See the OWL website for supplementary reference materials.

Grading:

The midterm exam scheduled at 2pm on Saturday February 29 will account 40% of the course grade.

The final exam, to be scheduled by the Registrar, will account for 60% of the course grade.

Only non-programmable, non-graphing calculators will be permitted during exams. Cell phone possession is prohibited and will also be interpreted as cheating.

Missed exams will be graded as zero. If under extenuating circumstances accommodation is granted the instructor will determine an appropriate form of accommodation. If the weight of a missed midterm is reallocated, the student’s remaining exam coverage, length and/or format

may be altered. These changes are not intended to alter the level of difficulty of the exam, only to compensate for the lack of evaluation through the standard exam which was missed. Grades of students with an altered evaluation may be excluded if grade adjustments are applied to the class distribution.

Credit for this course requires satisfactory attendance throughout the term, as specified above.

Topics Covered and Readings:

Introduction and Review of Multivariate Probability (Chapter 1)

Simple Linear Regression (Chapter 2)

Multiple Linear Regression (Chapters 3-7)

Estimation and Inference

Ordinary Least Squares Asymptotics

Issues in Multiple Regression Analysis

Dummy Variables

Heteroskedasticity (Chapter 8)

Time Series (Chapter 10-12)

The student should note that the above outline is tentative and may be modified as the course progresses and as time permits. Some topics may also be given more attention than others. It is expected that students will make themselves aware of coverage details through lecture attendance.

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.

Please Note
Department Policies for 2019-2020

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

1. Guidelines and policies for the Faculty of Social Science and the Department of Economics are posted online in the current Western Academic Calendar at:
<http://westerncalendar.uwo.ca>.
2. Students must familiarize themselves with the “Rules of Conduct for Examinations”
http://www.uwo.ca/univsec/pdf/academic_policies/exam/administration.pdf.
3. **Cheating as an academic offence:** Students are responsible for understanding what it means to “cheat”. The Department of Economics treats cheating incidents very seriously and will investigate any suspect behavior. Students found guilty will incur penalties that could include a failing grade or from future registration in other Economics courses or programs. The University may impose further penalties such as a notation on an official academic transcript, suspension or expulsion.
4. **Plagiarism:** Students must write their essays and assignments in their own words. When taking an idea/passage from another author, it must be acknowledged with quotation marks where appropriate and referenced with footnotes or citations. Plagiarism is an academic offence (see Scholastic Discipline for Undergraduate Students in the Western Calendar at http://westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page_20).

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.

5. It is a Department of Economics policy that **NO** assignments be dated, stamped or accepted by staff. Students must submit assignments in class or to the instructor during office hours.
6. When appealing a mark, students should refer to the Student Academic Appeals section in the current Western Academic Calendar at:
http://westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page_14
Please note the relevant deadlines.

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 proceed with a written appeal (e-mails are not acceptable) to the Undergraduate Director in Economics, stating the reasons for their appeal. A checklist is provided at:
http://economics.uwo.ca/undergraduate/program_counselling/responsibilities_policies.html#appeals.

7. Systematic adjustments of a class grade distribution (either up or down) can occur in Economics courses. The fact that grades have been adjusted is **not** grounds for an appeal.
8. Note the following add and drop deadlines:

Deadline to <u>add</u> a second term half course:	January 14, 2020
Deadline to <u>drop</u> a second term half course:	March 7, 2020
9. Faculty of Social Science policy states that oversleeping or misreading an exam schedule is NOT grounds for a makeup. This rule applies to midterm and final exams in the Department of Economics.

Policy on Tests, Final Exams and on Missed Academic Responsibilities

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

Students who are temporarily unable to meet academic requirements due to extenuating circumstances can follow Western University procedures to request academic consideration through the following routes:

- a) Submit a Self-Reported Absence form if the conditions for submission are met (e.g., only for exams or assessments worth 30% or less of the course mark; not applicable to final exams; maximum 2 self-reported absences per academic year; see [link](#) for full list of conditions and info).

If the conditions for submission of a Self-Reported Absence form are not met, then:

- b) For medical absences, submit a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner along with a request for academic consideration to Academic Counselling in the student's home Faculty (see [link](#) for full info) ; or
- c) For non-medical absences (e.g., religious or compassionate), submit appropriate documentation to Academic Counselling in the student's home Faculty (see [link](#) for full info).

It is strongly recommended that students notify their instructors as soon as possible. University policy is that students **must** communicate with their instructors no later than **24 hours** after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a documented absence. Failure to follow University policy and procedures may result in denial of academic accommodation and a grade of zero. Students should also set up an appointment to meet with their instructor as soon as possible. If the instructor is not available, send an email message, copying the Undergraduate Coordinator at econugrd@uwo.ca.

Note: Academic consideration is not normally intended for long-term, recurring absences, an existing disability, or high levels of stress related to academic performance. In such cases, students should consult their academic counsellor. See [link](#) for full information.

In all cases, if the documentation submitted to request academic consideration is not acceptable, students will receive a grade of zero for the missed test, exam, or assignment.

For full information about Western University's policies and procedures for student absences and requests for academic consideration, please visit this [link](#).

Policies Regarding Academic Accommodation

The Faculty of Social Science's policies regarding academic accommodation is found at http://counselling.ssc.uwo.ca/procedures/having_problems/index.html.

"Academic Rights and Responsibilities" are also outlined in the Western Calendar at <http://westerncalendar.uwo.ca/PolicyPages.cfm?PolicyCategoryID=1&command=showCategory&SelectedCalendar=Live&ArchiveID=>. Claiming that "you didn't know what to do" is not an acceptable excuse for not following the stated procedures.

Policy Regarding Class Attendance

If the instructor deems a student's class attendance as unsatisfactory, that student may be prohibited from writing the final examination. If there is intent to make use of this University policy, the student will be notified in writing.

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.