

# **ECONOMETRICS I ECONOMICS 2122A-001**

Department of Economics  
Western University

**Jeannie A. Gillmore**  
**Office: 4050 SSC**  
**Phone: 661-2111 x85349**  
**Email: [jgillmor@uwo.ca](mailto:jgillmor@uwo.ca)**

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## **Course Outline**

### **CLASSES**

**Monday 11:30-1:20 p.m. and Wednesday 12:30-1:20 WL 258**

### **OFFICE HOURS**

**Tuesday: 12:00 .pm. – 1:00 p.m.**

**Wednesday: 2:00 p.m. – 3:00 p.m.**

**Undergraduate Enquiries: 519-661-3507 or Social Science Centre Room 4075 or [econugrd@uwo.ca](mailto: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 prerequisites for this course are **Economics 1021A/B** and **1022A/B** or **Economics 1020** 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**.

You are responsible for ensuring that you have successfully completed all course prerequisites, and that you have not taken an antirequisite course. 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 this course for graduation.

### **Course Objective**

Economics 2122 provides an introduction to statistics and probability theory. Successful completion of this course will give the student a working knowledge of some of the main techniques applied in descriptive and inferential statistics. The course focuses on probability theory, sampling distribution, and hypothesis testing.

## Learning Outcomes

After successful completion of Economics 2122A, the student will be able to

1. Represent economic relationships using graphical and mathematical methods
2. Calculate and interpret probabilities
3. Calculate probability distributions for discrete and continuous random variables
4. Calculate and interpret confidence intervals and understand the process of hypothesis testing
5. Analyze empirical economic relationships using simple regression techniques
6. Make inferences about populations based upon quantitative analysis of sample data

## Textbook Package

*Statistics for Business and Economics*, Custom edition for Western University, by Newbold, Carlson, and Thorne, including *Student Solutions Manual* and access to MyStatLab.

## Website

The course schedule and announcements are found on your OWL course website at

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

## HOW TO DO WELL IN THE COURSE

- Read the relevant section of the textbook before the lecture.
- Do the assigned pre-chapter quiz on MyStatLab

## IN THE CLASSROOM

- Please refrain from surfing the web, emailing or facebooking, electronic chatting, text messaging, and other similar behaviour during class time.
- Please turn your cell phone to vibrate before entering the classroom.
- Until further notice, laptops *will* be allowed in the classroom. However you will find it beneficial to handwrite your notes. Developing the skill of writing formulas and Greek symbols is very valuable.

## ASSESSMENT:

Midterm I	Monday, October 17, 2016, 11:30 am – 1 pm	15%
Midterm II	Monday, November 14, 2016, 11:30 am – 1 pm	25%
MyStatLab pre-chapter quizzes (best 10 out of 11)		10%
MyStatLab post-chapter quizzes (best 10 out of 11)		10%
Final Exam		40%

The mid-term exam runs for **1.5 HOURS**. There are no make-up exams. The weight of a missed midterm exam will be added to the final exam only for students with a valid reason supplied to me *at least one week before* the normal exam date. If you miss an exam due to illness, you must print off a medical certificate, have it completed by a doctor, then hand it in to Academic Counselling. The medical certificate can be found at [https://studentservices.uwo.ca/secure/medical\\_document.pdf](https://studentservices.uwo.ca/secure/medical_document.pdf). If the midterm exam is missed due to legitimate illness, it will be reweighted to the final exam.

**EXAM RESULTS:**

Mid-term results will be emailed to you.

**WHAT TO BRING TO EACH EXAM:**

- Valid UWO ID
- Pencil, eraser, ruler
- Calculator

**COURSE OUTLINE**

<b>Lecture Hour</b>	<b>Date</b>	<b>Topic</b>
1	Monday September 12	Introduction to the course
2	Wednesday September 14	Introduction to MyStatLab Bring your laptop and your access code.
3,4	Monday September 19	Chapter 1.1, 1.2, 1.3, 1.4, 1.5
5	Wednesday September 21	Chapter 2.2, 2.4
6,7	Monday September 26	Chapter 3.1, 3.2, 3.3, 3.4
8	Wednesday September 28	Chapter 3.5
9,10	Monday October 3	Chapter 4.1, 4.2, 4.3, 4.4
11	Wednesday October 5	Chapter 4.7
<b>NO CLASS Monday October 10 THANKSGIVING</b>		
12	Wednesday October 12	Midterm exam review
13, 14	Monday October 17	<b>Midterm I exam</b>
15	Wednesday October 19	Chapter 5.1, 5.2
16, 17	Monday October 24	Chapter 5.3, 5.4, 5.6
18	Wednesday October 26	Chapter 6.1, 6.2
19, 20	Monday October 31	Chapter 6.3, 6.4
21	Wednesday November 2	Chapter 7.1
22, 23	Monday November 7	Chapter 7.2, 7.3, 7.4, 7.5
24	Wednesday November 9	Chapter 7.6, 7.7
25, 26	Monday November 14	<b>Midterm II exam</b>
27	Wednesday November 16	Chapter 7.8, 8.1
28, 29	Monday November 21	Chapter 8.2, 8.3, 9.1, 9.2
30	Wednesday November 23	Chapter 9.3, 9.4
31, 32	Monday November 28	Chapter 9.5, 9.6, 10.1, 10.2
33	Wednesday November 30	Chapter 10.3, 10.4
34, 35	Monday December 5	Chapter 11.1, 11.2, 11.3, 11.4
	Final Exam	Exam covering all chapters studied during the term

**MyStatLab Pre-Chapter Quiz Schedule**

Quiz Number	Chapter	Quiz Closes 11 a.m.
1	1	Monday, September 19
2	2	Wednesday, September 21
3	3	Monday, September 26
4	4	Monday, October 3
5	5	Wednesday, October 19
6	6	Wednesday, October 26
7	7	Wednesday, November 2
8	8	Wednesday, November 16
9	9	Monday, November 21
10	10	Monday, November 28
11	11	Monday, December 5

**MyStatLab Post-Chapter Quiz Schedule**

Quiz Number	Chapter	Quiz Opens 1:30 p.m.	Quiz Closes 11:59 p.m.
1	1	Monday, September 19	Friday, September 23
2	2	Wednesday, September 21	Monday, September 26
3	3	Wednesday, September 28	Monday, October 3
4	4	Wednesday, October 5	Tuesday, October 11
5	5	Monday, October 24	Friday, October 28
6	6	Monday, October 31	Friday, Friday November 4
7	7	Wednesday, November 16	Monday, November 21
8	8	Monday, November 21	Friday, November 25
9	9	Monday, November 28	Friday, December 2
10	10	Wednesday, November 30	Monday, December 5
11	11	Monday, December 5	Wednesday, December 7

**Please Note**  
**Department Policies for 2016 – 2017**

Remember that the University expects all students to take responsibility for their own academic Programs. Also remember to check your registration to make sure you 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://westerncalendar.uwo.ca/2016/pg136.html>.
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 being barred from future registration in other economics courses or programs. The University may impose further penalties such as a notation on your official academic transcript, suspension or expulsion.
4. **Plagiarism:** Students must write their essays and assignments in their own words. Whenever students take an idea or a passage from another author, they must acknowledge it by using quotation marks where appropriate and referencing with footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the current UWO Academic Calendar at <http://westerncalendar.uwo.ca/2016/pg113.html>).

The University of Western Ontario uses software to check for plagiarism and students may be required to submit their written work in electronic form. Those found guilty will have penalties imposed as noted in point 3.

5. It is Department of Economics policy that **NO** assignments be dated, stamped or accepted by staff. Students are responsible for submitting assignments in class or to the instructor during office hours.
6. When appealing a mark, students should refer to the University’s Procedures in the current UWO Academic Calendar (<http://westerncalendar.uwo.ca/2016/pg112.html>). Please note the relevant deadlines.

The Department will not consider any appeal unless an attempt has been made to settle the matter first with your instructor. If after this discussion you remain dissatisfied with a grade or other decision, you may proceed with a written appeal (e-mails are not acceptable) to the Undergraduate Director in Economics, stating the reasons for your appeal. A useful form and checklist is provided at ([http://economics.uwo.ca/undergraduate/program\\_counselling/responsibilities\\_policies.html#appeals](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:  
  
Last day to **add** a first term half course:  
**Friday, September 16<sup>th</sup>, 2016**  
  
Last day to **drop** first term half course without academic penalty:  
**Monday, November 7<sup>th</sup>, 2016**
9. Faculty of Social Science policy states that oversleeping or misreading an exam schedule is not an excuse for a make-up. This rule applies to all mid-term tests and final exams in the Department of Economics.

### **Policy Regarding Makeup Tests and Final Examinations**

*Academic accommodation will **not** be granted automatically on request. You **must** demonstrate by documentation that there are **compelling** medical or compassionate grounds before academic accommodation will be considered.*

If you decide to write a test or an examination, you must be prepared to accept the mark you earn. Rewriting tests or examinations, or having the value of the test or examination reweighted on a retroactive basis, is **not** permitted. Book airline flights after you know the dates of your final examinations. Airline flights must not conflict with test or final exams.

If you are requesting a makeup test for a midterm or a final examination, unless medically incapable, notify your instructor by email or phone, preferably prior to the scheduled date of the test, but definitely within **24 hours** of the date of the test or exam. Failure to follow this procedure may result in denial of a request for academic accommodation or result in a grade of zero. Set up an appointment as soon as possible to meet personally with your instructor. If the instructor is not available, you may send an email message, copying the Undergraduate Coordinator at [econugrd@uwo.ca](mailto:econugrd@uwo.ca) (Social Science Room 4075). **Notifying your instructor of a missed test or exam does not automatically entitle you to a makeup test.**

Students who seek a makeup test or examination must provide medical or other relevant verification that their absence from a regularly scheduled test or examination is beyond their control. Documentation must support your reasons. Medical documentation should be given to the Academic Counselling Office of your *home* Faculty **as soon as possible (preferably within 24 hours of the test)** if you know you may not be able to write your final examination on the scheduled day and time. Failure to follow this procedure, or to provide supporting documentation, may result in denial of a request for academic accommodation or result in a grade of zero. If your documentation is not acceptable, you will be given a zero for the missed test.

For personal illness, if you consult Student Health Services regarding your illness or personal problem, you should request a Student Medical Certificate from the physician. If you were seen by an off-campus doctor, obtain a certificate from his/her office at the time of your visit. The off-campus medical certificate form must be used and can be found at: [http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/medicalform.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf). Notes stating "For Medical Reasons" are not considered sufficient.

For any other circumstances, if you are not sure what documentation to provide, ask your Academic Counsellor. If your documentation is judged sufficient, the Academic Counsellor will issue a Recommendation for a Special Examination (a single form for midterms or a triple color form for final examinations). Once you have this form, contact your instructor as soon as possible to make arrangements. Even if approved from your home faculty Academic Counsellor, there is no guarantee that you will be allowed to write the makeup test and exam.

For final examinations, you need permission from your *home* Faculty Counsellor, your instructor, and the Department Undergraduate Director. Failure to follow this procedure may result in an examination grade of zero. You must ensure that the Special Examination form has been signed by the instructor and Department Undergraduate Director and that the form is returned to the Academic Counselling Office for approval without delay. Make-up final examinations, if permitted, will be written within one month of the end of the exam period.

### **Policies Regarding Academic Accommodation**

Information about the Faculty of Social Science's policies regarding academic accommodation is found on its website at <http://counselling.ssc.uwo.ca/procedures/havingproblems.asp> or in Social Science Room 2105. Your "Academic Rights and Responsibilities" are also outlined in the current UWO Calendar at <http://westerncalendar.uwo.ca/2016/pg111.html>. 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 your instructor views your class attendance as unsatisfactory, you can be prohibited from writing the final examination. If there is intent to make use of this University policy, you will be notified in writing.

### **Statement on Mental Health and Support Services**

If you or someone you know is experiencing emotional/mental distress, there are several resources here at Western to assist you. Please visit <http://www.uwo.ca/uwocom/mentalhealth/> for more information and a complete list of resources, as well as how to obtain help.