

**ECONOMETRICS I**  
**ECONOMICS EC2122A-001**  
**Department of Economics**  
**Western University**

**May/June 2020**

**General Information:**

**Instructor:** Phuong Vu  
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**Office hours:** Email office hours Wed 4-6 PM (London local time), Zoom/Collaborate meetings by appointment only.  
**Course website:** <https://owl.uwo.ca/portal>  
**Undergraduate inquiries:** 519-661-3507 or SSC Room 4075 or [econugrd@uwo.ca](mailto:econugrd@uwo.ca)

**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 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:**

Economics 2122 is an introductory course in statistics with applications in economics and business. Statistics deals with collecting, analyzing, interpreting and presenting empirical data. Thus, the main objective of this course is to train students in basic statistical techniques including descriptive and inferential statistics. Topics covered include probability theory, sampling distribution, and hypothesis testing.

**Course Learning Outcomes:**

After successful completion of Economics 2122A, students will be able to:

1. Represent economic relationships using graphical and mathematical methods.
2. Calculate and interpret probabilities.

3. Calculate and interpret probability distributions for discrete and continuous random variables.
4. Calculate and interpret confidence intervals and understand the process of hypothesis testing.
5. Make inferences about populations based upon quantitative analysis of sample data.

**Textbook(s):**

*Statistics for Business and Economics*, 8<sup>th</sup> edition, by Newbold, Carlson, and Thorne.  
 The e-text version of the textbook (with MyLab) can be purchased through the Bookstore’s web link: <https://bookstore.uwo.ca/product/9780321923912>

(Optional) MyEconLab: <https://www.pearsonmylabandmastering.com/>

Access code may come packaged with new textbook or can be purchased separately.

Course ID: minhvu41564

Course Name: ECON-2122A

**Tentative Course Schedule:**

Weeks	Dates	Chapters covered
1	May 4-8	1, 2
2	May 11-15	3, 4
<i>Online Test 1 covers Chapters 1 to 3 and will be available from May 14-15.</i>		
3	May 18-22	5, 6
<i>Online Test 2 covers Chapters 3 to 5 and will be available from May 21-22.</i>		
4	May 25-29	7, 8
<i>Online Test 3 covers Chapters 5 to 7 and will be available from May 28-29</i>		
5	June 1-5 (Summer Reading Week)	There will be no new material during this week.
6	June 8-12	8 (cont.), 9
<i>Online Test 4 covers Chapters 7 to 9 and will be available from June 11-12.</i>		
7	June 15-19	10
<i>Final Exam (Online Test 5) covers Chapters 8 to 10 and will be available from June 18-19.</i>		

**Chapters Covered:**

1. Describing Data: Graphical
2. Describing Data: Numerical
3. Probability
4. Discrete Random Variables and Probability Distributions
5. Continuous Random Variables and Probability Distributions
6. Sampling and Sampling Distributions
7. Estimation: Single Population
8. Estimation: Additional Topics
9. Hypothesis Testing: Single Population
10. Hypothesis Testing: Additional Topics

## Calculation of Course Mark:

The weight of each assessment in calculating your course mark is as follows:

Test 1 (May 14-15, 2020):	20%
Test 2 (May 21-22, 2020):	20%
Test 3 (May 28-29, 2020):	20%
Test 4 (June 11-12, 2020):	20%
Final exam (Test 5) (June 18-19, 2020):	20%

## Notes:

1. Course Schedule including test dates are tentative and subject to change depending on the university regulation and the feasibility of OWL website at that time.
2. All tests will be tentatively administered via OWL page. Tests will be mixed format and may vary in length. Specific time limit for each test will be announced no later than the Monday preceding each test date. No individual test will have a time limit exceeding 2 hours. Further details will be provided on the course website as the test dates approach.
3. Students should keep this schedule and workload in mind given their other courses and commitments. Students should plan to ensure that they have the capacity to complete the tests on these dates. Students should notify the instructor of conflicts with any of these test dates no later than two business days before the test date.
4. Students are expected to take the tests without consulting or other people or online resources. Students may consult the textbook and notes (including our OWL page).

## Policy Regarding Missed Exams and Quizzes:

Students must take the tests at the assigned times and dates. There will be no make-up tests. Students with an approved absence from **one** test during the term will have the weight of the missed test reallocated to test(s) that cover the same chapters as the missed test, except if the missed test is the Final Exam (Test 5). If the approved absence is for the Final Exam (Test 5), and if this compromises the student's completion of the course learning outcomes, then the student will be required to write an additional assessment during the final exam period. This additional assessment may differ from the Final Exam (Test 5) in format. Students who miss two or more assessments during the term are likely not to have met the course learning outcomes and may not be permitted to pass the course. They should contact the instructor for additional steps.

Students who miss any assessments must follow Western University's procedures for approval of their absence in order to receive an accommodation. See the "Please note Department Policies for Summer 2020" section of this syllabus for details on these procedures. If Western University announces any procedures for the approval of absences during Summer 2020 that supplement or supplant the information provided on this syllabus, please follow those procedures.

## How to do well in this course:

1. Start each week by reading the assigned textbook chapters. Then read the course notes which summarize main points of the chapters and go through several examples in detail. Remember that reading the course notes itself is not enough. At the end of each chapter, always make sure that you achieve all chapter goals.
2. I encourage you to work as many problems as you need to do feel comfortable with the material. There are sample exam questions on OWL and further practice problems at the end of each chapter in the textbook. Passively reading the textbook and course notes rarely results in a passing grade.
3. If you have any questions, please post them on the Forum. Your classmates and I will be happy to discuss your question with you, and I will check the Forum at least three times a week (Monday, Wednesday, and Friday) to make sure you get the answer to your question in a proper time. Also, you are encouraged to exchange ideas, to help your classmates by answering their questions, or to contribute to the discussion. By collaborating, we all can create a stimulating online learning experience for this course.
4. Remember that you can always email me if you have any concerns or questions that you prefer not to post on the Forum, and you should typically expect a reply within 24-48 hours, excluding weekends and holidays.

## 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 Summer 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.
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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](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 being barred 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](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](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](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:

<b>Session</b>	<b>Deadline to Add a Course</b>
Distance Studies	Friday May 8, 2020
Intersession	Tuesday May 12, 2020
Summer Evening (first term)	Friday May 8, 2020
Summer Evening (second term)	Friday June 26, 2020

<b>Session</b>	<b>Deadline to Drop a Course</b>
Distance Studies	Monday June 15, 2020
Intersession	Monday June 8, 2020
Summer Evening (first term)	Monday June 8, 2020
Summer Evening (second term)	Monday July 20, 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 one self-reported absence per summer term; 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 (virtually) 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](mailto: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](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/](http://uwo.ca/health/mental_wellbeing/) for more information and a complete list of resources on how to obtain help.