

ECON 2613 WI02 Empirical Analy in Econ & Busi 2022 Winter

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Course Outline - ECON2613WI02 - Winter 2021

Core Information:

TIME: Mondays and Wednesdays at 1:00 – 2:30pm

CLASSROOM: BAC 234*

*Lectures will be held virtually via MS Teams at least in the first two weeks of classes.

INSTRUCTOR: Dr. Burç Kayahan

OFFICE LOCATION: BAC340

OFFICE TEL: (902) 585 14 92

EMAIL ADDRESS: ckayahan@acadiau.ca

OFFICE HOURS: Virtual, by appointment

Course Description:

This course is concerned with the practical techniques of analysis common in Economics and Business. It covers topics such as descriptive statistics, an introduction to probability, and statistical inference which will include large and small sample hypothesis testing, one-way analysis of variance and regression analysis.

Course Objectives:

In today's world, which is becoming increasingly dependent upon quantitative information, an educated citizen must have a fundamental understanding of the statistical tools. The purpose of 2613 is to introduce students to many of the important concepts and procedures they are likely to need in order to:

1. evaluate such daily inputs as organizational reports, websites, newspaper and magazine articles, and radio and television commentaries;
2. improve their ability to make better decisions over a wide range of topics;
3. improve their ability to measure and cope with changing conditions at home and on the job.

But the purpose of this course is not to make professional statisticians out of the students, because it is recognized that most Econ 2613 students will be consumers rather than producers of statistical information. Therefore, the emphasis has been rather placed on explaining the statistical procedures and interpreting the results obtained from these procedures.

We shall be making extensive use of the Microsoft EXCEL software in presenting tabular and graphical information, and in performing most of the actual statistical calculations. I will make every effort during class time to introduce and explain the important features of this software.

Required Materials:

- D. Levine, K. Szabat, D. Stephan, **Statistics For Managers Using Microsoft Excel: 9th Edition**, Pearson

The link for purchasing the E-text is given below:

https://www.pearson.com/store/p/statistics-for-managers-using-microsoft-excel/P100002825976?format=E_TEXT

- [Departmental Workbook - Posted on Acorn](#)

There are very minor differences between the new (9th) and previous (8th, 7th, 6th and 5th) editions, hence, you can also use the previous edition as a textbook for this course. Hence, the campus bookstore will carry a limited number of previous editions.

Evaluation:

Assignments (@ 5% each) **20%**

Assignment Dates:

- 1st Assignment: Handed out on 17th of January, Due back on 31st of January
- 2nd Assignment: Handed out on 31st of January, Due back on 11th of February
- 3rd Assignment: Handed out on 7th of March, Due back on 18th of March
- 4th Assignment: Handed out on 28th of March, Due back on 8th of April

Term Test 1 (**25%**) (Date: February 16th)

Term Test 2 (**25%**) (Date: March 23rd)

Final **30%** (Date: TBA)

Each assignment is to be handed in via ACORN before the beginning of the lecture on the respective due date.

Late assignments WILL NOT BE graded.

There will be NO make-up for a missed test. If you are unable to write an exam due to illness or for compassionate reasons, please advise me in writing prior to the day of the exam. The weight of any missed test will be added towards your final exam.

Alpha grade	GPA value	Percentage range*	Rating
A+	4.33	90 – 100	
A	4	85 – 89	Excellent
A-	3.67	80 – 84	
B+	3.33	77 – 79	
B	3	73 – 76	Good
B-	2.67	70 – 72	
C+	2.33	67 – 69	
C	2	63 – 66	Average
C-	1.67	60 – 62	
D+	1.33	57 – 59	
D	1	53 – 56	Pass
D-	0.67	50 – 52	
F	0	0 – 49	Failure

Accessible Learning:

Rooms 111-115, Rhodes Hall, 21 University Ave accessiblelearning.acadiau.ca

Accessible Learning Services works with students, staff, and faculty to facilitate academic accommodations and services for students with disabilities (permanent and temporary). Accommodations are based on the recommendations that are provided in students' psychoeducational or medical documentation. Accessible Learning Services also provides academic soft-skill development workshops for students, referrals to on-and-off campus resources, employment-readiness skill development and work placements, and educational awareness training. For more information about Accessible Learning Services' registration process and support services, please contact one of the staff members listed below or visit our website.

Accessible Learning Services Contact Information:

Marissa McIsaac, MSc; Manager, disability.access@acadiau.ca, 902-585-1290

Ian Ford, BSW, MSW, RSW; Accessibility Resource Facilitator, disability.access@acadiau.ca 902-585-1520 Emily Duffett, MA; Coordinator, Work Integrated Learning Program, WIL@acadiau.ca, 902-585-1823

Kate Johnstone; Accessible Learning & Support Advisor, kate.johnstone@acadiau.ca, 902-585-1605
Gillian Haste; Exam Coordinator, disability.access@acadiau.ca, 902-585-1823

Requirements:

I expect my students to attend the classes in a regular and organized manner. **The first month is especially crucial** in developing a good understanding of statistics and its methodology.

Due to the quantitative nature of the course and time limitations, students will be expected to supply out-of-class preparation time by solving exercises in order to digest the information provided in the lectures. Only via solving a sufficient number of exercises you can truly understand and enjoy statistics.

The course website will be available via Acadia Courseware & Online Resource Network (ACORN) at <http://acorn.acadiau.ca>. Make sure to check this site every week for course-related materials and announcements that will be available as we progress throughout the course.

Academic Ethics:

It is the responsibility of students to familiarize themselves with the University's policy on academic ethics. Copying, plagiarism and other academic offences will not be tolerated. **Penalties are severe and may result in suspension from a program/course and expulsion.** A complete list of Academic Regulations can be found on the Policies page of the University's website. **I strongly recommend that you review the Academic Integrity section (pages 39-40) of the 2021-2022 Academic Calendar.** Engaging in **academic misconduct** has serious consequences.

Data Analysis and Statistical Software:

Students are assumed (and very much expected) to be able to use and access to Excel at home, at school, or at work. Some problems are accompanied by the Excel data files (presented under a common folder), which enable students to apply techniques covered in the course to large blocks of data, solving problems using statistical software in a computer environment.

Important Notes:

Memorization of formula and models will not produce good results in this course. The only way to learn statistics is by **DOING** exercises and **SOLVING** questions. The exercises in the departmental workbook are designed for precisely this purpose. You are encouraged (indeed, expected) to work through these independently.

Working through lots of examples provides the best means for developing an understanding of statistics and problem-solving skills. I would encourage you to first try doing exercises on your own and then go over them with a study partner so that you can help each other master the material.

Reading List:

1. **Presenting Data in Tables and Charts**, Chapter 2.
2. **Numerical Descriptive Measures**, Chapter 3.
3. **Basic Probability**, Chapter 4.
4. **Some Important Discrete Probability Distributions**, Chapter 5.
5. **The Normal Distribution and Other Continuous Distributions**, Chapter 6.
6. **Sampling and Sampling Distributions**, Chapter 7.
7. **Confidence Interval Estimation**, Chapter 8.
8. **Fundamentals of Hypothesis Testing: One-Sample Tests**, Chapter 9.
9. **Simple Linear Regression**, Chapter 13 (If there is any additional time left in the semester)

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[◀ Academic Integrity \(Academic Calendar\)](#)

[Link for ECON 2613WI02 Teams webpage ▶](#)

 Moodle Docs for this page

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