

Department of Economics,
Faculty of Liberal Arts & Professional Studies,
York University

Summer 2024 Course Outline

COURSE #: **AP/ECON 3210 3.0 A**

COURSE TITLE: **Use of Economic Data**

CLASS TIME: **Mondays and Wednesdays 7:00pm-10:00pm**

1. Course Instructor Contact:

Prof. Ida Ferrara, Department of Economics

E-mail: iferrara@yorku.ca (please include “ECON 3210” in the subject line)

Course Website: eclass.yorku.ca (York eClass, login with your passport York account)

Office Hours: in person or virtually by appointment

2. Course Description and Objective:

Introduces the theory and practice of empirical analysis of economic models. Develops tools to estimate economic relationships involving two or more variables and to test their significance. Relies on the use of Canadian data sets and statistical software packages to show how linear regression analysis is applied.

Prerequisite: AP/ECON 2500 3.00 or equivalent.

Course Credit Exclusions: HH/PSYC 3030 6.00, SC/MATH 3330 3.00. **Note:** No credit will be retained for this course for students who have successfully completed or who are currently enrolled in AP/ECON 4210 3.00. To clarify, AP/ECON3210 3.0 can be successfully completed first and AP/ECON 4210 3.0 can be taken second, but you cannot complete AP/ECON 4210 3.0 (first) and then take AP/ECON3210 3.0 (second or concurrently).

PRIOR TO FALL 2009 Course credit exclusions: SC/BIOL 2060 3.00, AK/AS/ECON 3210 3.00, AK/AS/SC/MATH 3033 3.00, AS/SC/MATH 3330 3.00.

3. Required Course Text/Readings:

Jeffrey M. Wooldridge, *Introductory Econometrics: A Modern Approach*, 7th Edition, Cengage Learning, Inc., 2020.

4. Weighting of Course:

Assignments (4): 20% (5% per assignment, throughout term)

Mid-Term Exam: 30% (Wednesday, May 22th, 2024)

Final Exam: 50% (during the final examination period – June 19th to June 21st)

Assignments: There will be 4 graded assignments, each worth 5% of the final grade. For the assignments, students will need access to MindTap (<https://student.cengage.com/course-link/MTPN4RZ3HR22>). Details about MindTap and registration are available on the course website in the same folder where the syllabus appears. Some of the assigned questions will involve the use of a statistical package and data. Students can choose among a few options: R, Stata, and Excel. The MindTap site contains guidelines about R and Stata. Some additional details about Stata and Excel will be available on the eClass site. Students will NOT be tested on how to use R, Stata, or Excel but must be able to understand regression outputs, fill in blanks, and interpret results.

Missing an Assignment: Under **NO** circumstances, the weight of a missed assignment will be transferred to another graded component of the course. Students failing to submit an assignment by the due date will receive a grade of zero for the missed assignment.

Missing the Mid-Term Exam: There is **NO** make-up exam for students missing the mid-term exam. If students missing the mid-term exam provide a valid rationale for their absence, the weight of the missed mid-term exam will be transferred to the final exam, which will then count for 80% of the final grade. If students missing the mid-term exam fail to provide a valid rationale for their absence, they will receive a grade of zero for the missed mid-term exam.

Missing the Final Exam: Students missing the final exam who provide a valid rationale for their absence will have the opportunity to write a deferred exam. There will be only one deferred exam, and students failing to write it will have to petition at the Faculty level.

5. Additional Information:

Students are expected to check the York eClass course website (link found at <http://eclass.yorku.ca>) regularly for updated course information.

Important Dates:

- Summer term begins Monday, May 6th, 2024
- Last class: Monday, June 17th, 2024 (make-up class for Victoria Day on May 20th, 2024)
- Last date to drop course without receiving a grade: Monday, June 3rd, 2024 (however, if students withdraw between June 4th and June 17th, they will receive a “W” on their transcript)

COURSE TOPICS

- **TOPIC 1: Introduction**
 - Econometrics and the Nature of Economic Data (Chapter 1)
 - Review of Basic Statistical Concepts (Appendices)
- **TOPIC 2: Simple Regression Analysis**
 - Simple Regression Model (Chapter 2)

- **TOPIC 3: Multiple Regression Analysis**
 - Estimation (Chapter 3)
 - Inference (Chapter 4)
 - Further Issues (Chapter 6)
 - Dummy Variables (Chapter 7)
- **TOPIC 4: Heteroskedasticity**
 - Heteroskedasticity (Chapter 8)

6. Important Course Information:

Final course grades given by the instructor will use the standard York grading scale and may be adjusted to conform to Program or Faculty grades distribution profiles. All students are expected to familiarize themselves with the following information, available from the York University website:

- York's Academic Honesty Policy and Procedures (Academic Integrity Website)
- Ethics Review Process for research involving human participants
- Course requirement accommodation for students with disabilities, including physical, medical, systemic, learning, and psychiatric disabilities
- Student Conduct Standards and Grading/Feedback Policy
- Religious Observance Accommodation