Carleton University
Department of Economics

ECON 3900 C – Research Methods in Economics

Instructor: Professor M. Demers
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Lectures: Wednesday 11:35am-2:25pm.
Place: SA 516

Prerequisites: ECON 2030 with a grade of C+ or higher, ECON 2103 with a grade of C+ or higher, ECON 2210 (or equivalent) with a grade of C- or higher, and ECON 2220 (or equivalent) with a grade of C+ or higher. A grade of C+ or higher is required to qualify for ECON 4905.

Students who believe they have taken a similar background course or courses from another university must provide appropriate documentation to the Department of Economics Undergraduate Administrator, Amanda Wright.

DEF(ferred final grade) status at the end of this course precludes (continued) registration in any other course for which the former is a prerequisite.

Course Description:

The objective of this course is to learn how to conduct research in economics and write a well-structured and well-argued technical paper describing this research. This process includes the following steps:

a) choice of a topic;
b) finding, critically evaluating and describing the relevant economics literature on this topic;
c) developing a research proposal;
d) finding relevant economic data sources and collecting economic data;
e) analysing these data using appropriate statistical and econometric techniques;
f) clearly and meaningfully summarizing, tabulating and explaining the findings;
g) learning about writing techniques for developing a final report/paper;
h) preparing a PowerPoint presentation and presenting the research in front of an audience.

There will be a preliminary lecture to explain in detail what you need to do to fulfill the course requirements and to give you some background for the research paper. During the first week of classes you are also expected to choose a topic, form a team (of three students) and get organized to start your research projects.

(As the exact time table for the project will be provided on Cu Learn.)

As a means of learning how to write a report in a meaningful way, there will be one or two assignments to initiate students to read some articles, summarize and analyze the main ideas of these articles.

Since another important objective of the course is to learn some econometric techniques for analyzing data, there will be some lectures on econometric topics during part of the course with applications to a variety of
topics. There will also be one or two assignments based on these lectures.

During the rest of the course, you and your team will work on your project and meet with me and the TA (during class-time and office hours) for consultation. In-class presentations will take place during the last two weeks of the semester. They are tentatively scheduled for March 28 and April 4.

Textbooks:


Research Paper

As mentioned above, the objective of this course is to initiate students to the process of developing and writing a research project. The teams will be guided towards the achievement of this goal with the help of regular meetings with me and the TA. However, the paper must be the product of each student’s personal effort. Each student must demonstrate the capacity to do independent work.

The recommended length is 15 pages of text, excluding the cover page, footnotes, tables and references. Papers must be typed double-spaced (Times-Roman 12 pts) and have appropriate margins (1 inch on all sides.)

The research paper and the first draft will be evaluated according to the following criteria.

The research paper must be analytical and innovative. The study must first clearly identify the problem to be investigated. The paper must analyze economic models that address this problem in a rigorous way. The paper must have:

1. A concise abstract (150-200 words) explaining the problem explored and the main conclusions.
2. A well-written introduction to explain why your topic is important and interesting.
3. A literature review: synthesize and critically evaluate some economic theories and empirical studies on your topic of interest.
4. An explanation of the economic theory underlying the chosen topic, the hypotheses that will be made and the analytical/empirical/econometric methodology that will be used.
5. A detailed explanation of the data sources and data that you use.
6. A clear and well-organized presentation of your results in words as well as relevant tables and graphs (if appropriate) to illustrate these results.
7. A comparison of your results with the results obtained in other similar studies in the literature.
8. A conclusion summarizing and evaluating your results and suggesting possible improvements.
9. The paper must be neat, well organized, written in correct English with no grammatical or spelling errors and no typos. The format of the paper and of the bibliography (references) section must be done
according to the provided instructions. Sloppy work will lose points. This also applies to the first draft and the proposal.

**Team composition:** You must do your project in a team of three persons. If you have problems in finding a teammate I will help you find one. The work should be equally shared among team members. The teams will be guided towards the achievement of this goal with the help of regular meetings with me and the TA. However, the paper must be the product of each student’s personal effort. Each student must demonstrate the capacity to do independent work.

**Topic:** You will select your topic from a list that I will provide.

**Timetable for the research paper:**

The task of writing the research project will be undertaken in steps with specific deadlines, as outlined below:

1. The team composition and the choice of a general topic to be approved by the instructor (**one week, January 17**)
2. Submission of a research proposal on your chosen topic (**two weeks, January 31**)
3. Submission of the first draft of your paper (**four weeks, March 7**)
4. Revision of the first draft following comments by myself and the T.A. (**approximately two weeks**)
5. In-class presentation of all the papers (**Tentatively scheduled for March 28 and April 4**). The exact details will be announced during the term. Each student will present his/her paper using PowerPoint or similar software. The presentation will last 10 minutes and be followed by a brief discussion of the paper and questions from the audience. The presentation will follow the same structure as the first draft, and will emphasize the significant results obtained and outline the steps that remain to be completed. Attendance is compulsory.
6. Submission of the final draft of the paper (**April 11, last day of winter term classes**).

Both e-mail and hard copy (double-sided) submissions to both myself and the TA are required for the proposal, the first draft and the final paper. In order to permit a timely submission of the final draft, it will be very important to adhere to this time-table and to the deadlines indicated.

Students who are unable to do the in-class presentation (for a valid documented reason) will have the weight of the presentation added to the final paper.

Each step of the time-table and its components (including instructions for the Bibliography) will be explained in greater detail in class and will be posted on CuLearn.

**Course Evaluation:**

| Assignment 1 (reading comprehension and composition, due Jan 24) | 10% |
| Proposal (due Jan 31) | 10% |
| Assignment 2 (individual work, literature review, reading, synthesizing, due Feb 7) | 10% |
| Assignment 3 (econometrics, due March 5) | 10% |
| First Draft (due March 7) | 15% |
| Presentation (in class, March 28 and April 4) | 10% |
| Final paper (due April 11) | 35% |

In the event that 2 assignments are given instead of 3, the weight of each will be 15%.
The deadlines may be changed and students will be advised accordingly in class or via CuLearn.

Each student will be evaluated individually. All students are expected to be present during the presentations by other teams and to participate in the general discussion following the presentations.
Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by an instructor may be subject to revision. No course grades are final until approved by the Faculty Dean.

**Penalties for Late Submissions:**

A penalty of 10% will be imposed for late (maximum 1 week) assignments, proposals or first drafts without a valid documented reason. Late final drafts will lose 2 points per day. Students who present their final drafts more than 7 days late will have to provide proper medical or other justification to the Registrar’s Office. Students who miss an assignment for a valid reason (documented appropriately) will have the associated weight added to the other three assignments. A student who misses two or more assignment will have a grade of zero for the missed assignments. Special assignments will not be given.

This course will make use of CuLearn. It is each student’s responsibility to check this website for posted material. If you do not have a CuLearn account, please visit: [www.carleton.ca/culearn](http://www.carleton.ca/culearn)

**Re-marking:**

Any request for the remarking of assignments or papers must be submitted in writing within two weeks of that assignment or paper first being returned to the class. The request should contain a detailed explanation of why you feel you should receive a higher mark. Please note that remarking will apply to the entire assignment or paper, and not just to the contentious question. As a result, the revised mark may be higher than, lower than or the same as the original mark.

**Plagiarism:**

Please be aware that plagiarism is a serious offence at Carleton and should be recognized and avoided. For further information on how to do so, please see “Pammett on Plagiarism and Paraphrasing” at [www.carleton.ca/economics/courses/writing-preliminaries](http://www.carleton.ca/economics/courses/writing-preliminaries).

The University Senate defines plagiarism as “presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one’s own.” This can include:

- reproducing or paraphrasing portions of someone else’s published or unpublished material, regardless of the source, and presenting these as one’s own without proper citation or reference to the original source;
- submitting a take-home examination, essay, laboratory report or other assignment written, in whole or in part, by someone else;
- using ideas or direct, verbatim quotations, or paraphrased material, concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another’s data or research findings;
- failing to acknowledge sources through the use of proper citations when using another’s works and/or failing to use quotation marks;
- handing in "substantially the same piece of work for academic credit more than once without prior written permission of the course instructor in which the submission occurs."

Plagiarism is a serious offence that cannot be resolved directly by the course’s instructor. The Associate Dean of the Faculty conducts a rigorous investigation, including an interview with the student, when an instructor suspects a piece of work has been plagiarized. Penalties are not trivial. They can include a final grade of "F" for the course.

**Intellectual Property Rights Regarding Course Material:**

Please note: “Classroom teaching and learning activities, including lectures, discussions, presentations, etc.,
by both instructors and students, are copy protected and remain the intellectual property of their respective author(s). All course materials, including PowerPoint presentations, outlines, and other materials, are also protected by copyright and remain the intellectual property of their respective author(s). Students registered in the course may take notes and make copies of course materials for their own educational use only. Students are not permitted to reproduce or distribute lecture notes and course materials publicly for commercial or non-commercial purposes without express written consent from the copyright holder(s).”

(See https://carleton.ca/provost/2015/calendar-dates-and-course-materials-sharing-website/)

**Academic Accommodation Requests:**

Student may need special arrangements to meet their academic obligations during the term because of disability, pregnancy, or religious obligations. Please review the course outline promptly and write to the instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

Students with disabilities requiring academic accommodations in this course must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Documented disabilities could include, but are not limited to, mobility/physical impairments, specific Learning Disabilities (LD), psychiatric/psychological disabilities, sensory disabilities, Attention Deficit Hyperactivity Disorder (ADHD), and chronic medical conditions. Registered PMC students are required to contact the PMC (telephone: 613-520-6608) every term to ensure that their instructors receive their Letter of Accommodation no later than two weeks before the first assignment is due or the first in-class test/midterm requiring accommodations. Students requiring accommodations for their formally scheduled exam(s) only in this course must submit their requests for accommodations to the PMC by November 10, 2017 for the fall term and March 9, 2017 for the winter term.

(See http://calendar.carleton.ca/academicyear/undergrad/)

**Religious Observance:** Students requesting accommodation for religious observances should apply in writing to their instructor for alternate dates and/or means of satisfying academic requirements. Such requests should be made during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist, but no later than two weeks before the compulsory academic event. Accommodation is to be worked out directly and on an individual basis between the student and the instructor(s) involved. Instructors will make accommodations in a way that avoids academic disadvantage to the student. Instructors and students may contact an Equity Services Advisor for assistance (www.carleton.ca/equity).

**Pregnancy:** Pregnant students requiring academic accommodations are encouraged to contact an Equity Advisor in Equity Services to complete a letter of accommodation. Then, make an appointment to discuss your needs with the instructor at least two weeks prior to the first academic event in which it is anticipated the accommodation will be required.

See the Equity Services Web site at www.carleton.ca/equity/accommodation to obtain more detailed information on academic accommodation to view the associated policies.