Course Information

Instructor: Konstantinos Metaxoglou  
Office: D-893 LA  
Phone: 613-520-2600 (EXT. 3755)  
E-mail and website: https://culearn.carleton.ca  
Office Hours: Monday, 2:30pm–3:30pm

Course Description

We will examine theories pertaining to industrial organization (IO) and their application in empirical studies. The course will also introduce students to empirical methods in IO and competition policy.

References

There is no required textbook for this course. I provide below useful references for Industrial Organization, Econometrics, Numerical Methods/Optimization, and Writing.

Industrial Organization


### 3.2 Econometrics


### 3.3 Numerical Methods/Optimization


### 3.4 Writing

1. The Chicago Manual of Style, 16th Edition, Chicago University Press. Also available online through the university’s library.


### 4 Lecture Topics

*The list of topics below is tentative. The topics covered and papers discussed may change during the term depending on how the class evolves. A reading list, which includes additional references, is available in the end of the outline. T: Theory, E: Empirical, P: Papers discussed.*

1. **Introduction**
   - T: Belleflamme and Peitz Ch.2
   - E: Introduction to empirical IO

2. **Models of Competition I**
   - T: Belleflamme and Peitz Ch.3
   - E: Empirical methods for estimating market power

3. **Models of Competition II**
   - T: Belleflamme and Peitz Ch.4
   - E: Estimating models of entry
4. **Product Differentiation**

- **T**: Belleflamme and Peitz Ch.6
- **E**: Estimating demand models in practice

5. **Collusion**

- **T**: Belleflamme and Peitz Ch.14
- **E**: Empirical methods for quantifying cartel damages
- **P**: Por1983, PorZon1999

6. **Horizontal Mergers**

- **T**: Belleflamme and Peitz Ch.15
- **E**: Merger simulation in practice
- **P**: AshHos2010, BjoVer2016, Nev2000b, WeiHos2013

7. **Vertical Relationships**

- **T**: Belleflamme and Peitz Ch.17
- **E**: Measuring the effects of vertical restraints
- **P**: BreVer2006, Has2004, HorSyv2007, Saa2005

5 **Evaluation**

Each student’s grade will be calculated using the following instruments and weights:

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four assignments (7.5% each)</td>
<td>30%</td>
</tr>
<tr>
<td>Presentation</td>
<td>10%</td>
</tr>
<tr>
<td>Paper summary</td>
<td>10%</td>
</tr>
<tr>
<td>Critical assessment</td>
<td>10%</td>
</tr>
<tr>
<td>Final comprehensive exam</td>
<td>40%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

**Assignments**: They must be submitted in the class on the due date prior to the beginning of the lecture and they must be typed. The assignments will have several questions and will have both a theoretical and an empirical component for which you will use Stata. I will not accept late assignments. The tentative due dates are: Jan-22, Feb-12, Mar-19, and Apr-09.
**Presentation:** You will consult with me about an empirical IO paper that you will present in class. The presentations will be 15 minutes long. You will be randomly assigned to present on one of the following tentative dates: Feb-12 or Feb-26.

**Paper Summary:** You will consult with me about an empirical IO paper for which you have to submit a 1-page summary no later than the date of the last class.

**Critical Assessment:** You will consult with me about an empirical IO paper for which you have to write a critical assessment similar to a referee report for an academic journal no later than the date of the last class.

**Final comprehensive examination:** The 3-hour final exam will take place during the April examination period at a time and place set by the University.

6 **Regrading**

Students seeking reappraisal of their graded assignment or mid-term examination should contact the instructor within a week after they receive their grades. Students are required to send e-mail to the instructor with the subject “ECON 5301-REQUEST FOR REGRADING” explaining the reason(s) for requesting a reappraisal of their graded work. Reappraisals that do not conform to this standard will not be considered.

7 **Plagiarism**

Please be aware that plagiarism is serious offense 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).

8 **Requests for Academic Accommodation**

You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

**Pregnancy obligation**

Please contact your 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. For more details, visit the Equity Services website: [carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](http://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

**Religious obligation**

Please contact your 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. For more details, visit the Equity Services website: carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

**Academic Accommodations for Students with Disabilities**

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. carleton.ca/pmc

**Survivors of Sexual Violence**

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and is survivors are supported through academic accommodations as per Carleton’s Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: carleton.ca/sexual-violence-support

**Accommodation for Student Activities**

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your 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. https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf

For more information on academic accommodation, please contact the departmental administrator or visit: students.carleton.ca/course-outline

### 9 Reading List

**Introduction/Background**


Models of Competition I


Models of Competition II


Product Differentiation


**Collusion**


**Horizontal Mergers**


**Vertical Relationships**


