

University of Waterloo
Department of Economics
Econ 393 – Section 001
Market Failures
Winter 2021

Instructor Information

Instructor: Ryan George
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Office hours: TBA

The instructor will only respond to emails that include “Econ 393” in the subject line of the message.

Territorial Acknowledgement

We acknowledge that we live and work within the Haldimand Tract, land that was promised to the Haudenosaunee of the [Six Nations of the Grand River](#), and within the traditional territory of the Neutral, Anishinaabe, and Haudenosaunee peoples.

Course Description

Markets fail to allocate resources well for a variety of reasons. Firms may have power to direct activity in an industry to their advantage. Participants may act with limited knowledge of others’ motivations or capacities. Some actors do not acknowledge the true costs or benefits of their actions. In each of these cases, decisions made by private individuals yield outcomes that could be improved upon in a collective sense. We will study these situations and the policies and mechanisms that economists have proposed to achieve superior outcomes. An overarching concern will be the appropriate use of market mechanisms in facing societal problems.

Course Goals and Learning Outcomes

Upon completion of this course, students should:

- A. Be familiar with the analytical tools economists use to study market failures in real economies.
- B. Be more literate concerning market mechanisms and their application.

Readings Available on LEARN

- Announcements and updates on course progress.
- Lecture videos, and slides with transcriptions.
- Assignments, and practice problems and their solutions.
- Discussions threads for student interaction on set topics.

Readings Available through Library Course Reserves

- Thomas Nechyba, *Microeconomics: An Intuitive Approach with Calculus* Ch. 21 “Externalities” (Mason OH: South-Western Cengage, 2011).
- Hal Varian, *Intermediate Microeconomics: A Modern Approach* 8th ed. Ch. 36 “Public Goods” (NY: WW Norton, 2010).
- Jeffrey Perloff, *Microeconomics: theory and applications with calculus* Ch. 16 “Uncertainty”

Course Requirements and Assessment

Assessment	Date of Evaluation (if known)	Weighting
Assignments (4 @ 7.5% each)	Jan 29, Feb 26, Mar 26, Apr 12	30
Recorded presentations (2 @ 15% each)	Feb 8, March 15	30
Participation in discussion threads	Feb 8-12 and Mar 15-19	10
Final Assignment	Apr 23	30
Total		100

Assignments

There will be four assignments over the course of the term. Students will write up their answers and scan or photograph them and deposit them by the due date in the appropriate Learn dropbox.

Short Presentations

As a member of a group of 4 students, each student will record a presentation to be viewed by other members of their group and the instructor. The presentation should be a slide show with recorded video to accompany it. The presentation should be 6-8 minutes in length. Sharing video of yourself speaking is recommended (but not required), as it reduces the impersonal nature of online coursework.

- 1) (Due Feb 8th) All students will read the article Elinor Ostrom, James Walker and Roy Gardner, "Covenants with and without a sword: self-governance is possible" *American Political Science Review* 86(2) June 1992: 404 - 417. Each student will be assigned a second reading and will make a comparative assessment of the argument of the Ostrom paper.
- 2) (Due Mar 15th) All students will read the article Michael J. Sandel, "Market Reasoning as Moral Reasoning: Why Economists Should Re-engage with Political Philosophy" *The Journal of Economic Perspectives*, Vol. 27, No. 4 (Fall 2013), pp. 121-140. Each student will be assigned a second reading and will make a comparative assessment of the argument of the Sandel paper.

Discussion Thread Participation

During the weeks of February 8-12 and March 15-19, following the submission of presentations, students will spend time reacting to their fellow group members' presentations through discussion threads. Each group member will have used a different *second reading* and the group will work towards a shared assessment and summary of the take-aways from the main article (Ostrom for the first discussion; Sandel for the second).

Final Assignment

The final assignment will combine problem solving questions with questions that involve the interpretation of the models used and their applicability. The assignment will be typed and any graphs attached separately. Turnitin matching software will be used to ensure written answers reflect individual student work (see more below). It is **due by submission to the dropbox on Friday, April 23rd (by 11:30pm)**.

Course Schedule

	Date	Lecture Topic	Readings Due
1	Jan 11 – 15	Review of choice and markets	
2	Jan 18 – 22	Introduction to Externalities	Nechyba Ch.21
Assignment 1 Friday, Jan 29			
3	Jan 25 – 29	Production Externalities: pollution	Nechyba Ch.21 “Externalities”
4	Feb 1 – 5	Production Externalities: common property resources	Nechyba Ch.21
Presentation 1 due Monday, Feb 8			
5	Feb 8 – 12	Norms and common property <i>discussions</i>	Ostrom et al. “Covenants with and without a sword”
6	Feb 15 – 19	No classes – Reading Week	
Assignment 2 due Friday, Feb 26			
7	Feb 22 – 26	Consumption externalities and missing markets	Nechyba Ch.21
8	Mar 1 – 5	Consumption externalities and missing markets	Nechyba Ch.21
9	Mar 8 – 12	Public goods	Varian Ch.36 “Public Goods”
Presentation 2 due Monday March 15			
10	Mar 15 – 19	Moral Reasoning and Allocation Mechanisms <i>discussions</i>	Sandel “Market Reasoning as Moral Reasoning”
Assignment 3 due Friday Mar 26			
11	Mar 22 – 26	Choice and Markets with Risk	Perloff “Uncertainty”
12	Mar 29 -Apr2	Asymmetric information: adverse selection in insurance markets	Lecture notes only
13	Apr 5 – 9	Monopoly and price discrimination	Lecture notes only
Assignment 4 due Monday Apr 12			
Final Assignment due Friday Apr 23			

Missed Work and Accommodation Regarding Assessment

If a student is unable to submit a course assignment for documented reasons, the student's mark will be based upon an adjusted weighting scheme.

Penalties and Rules Regarding Late Work

Assignments and presentations must be submitted on time. No late submissions will be accepted unless an arrangement has been made in advance with the instructor. The Final Assignment will be penalized with a 5% grade reduction per day.

Academic Integrity

In order to maintain a culture of academic integrity, members of the University of Waterloo are expected to promote honesty, trust, fairness, respect and responsibility. Check the [Office of Academic Integrity website](#) for more information.

Discipline

A student is expected to know what constitutes academic integrity to avoid committing an academic offence, and to take responsibility for his/her actions. [Check [the Office of Academic Integrity](#) for more information.] A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course instructor, academic advisor, or the undergraduate associate dean. For information on categories of offences and types of penalties, students should refer to [Policy 71, Student Discipline](#). For typical penalties, check [Guidelines for the Assessment of Penalties](#).

Grievance

A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read [Policy 70, Student Petitions and Grievances, Section 4](#). When in doubt, please be certain to contact the department's administrative assistant who will provide further assistance.

Appeals

A decision made or penalty imposed under [Policy 70, Student Petitions and Grievances](#) (other than a petition) or [Policy 71, Student Discipline](#) may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to [Policy 72, Student Appeals](#).

Accommodation for Students with Disabilities

Note for students with disabilities: [AccessAbility Services](#), located in Needles Hall, Room 1401, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with [AccessAbility Services](#) at the beginning of each academic term.

Turnitin.com and alternatives: Text matching software (Turnitin®) may be used to screen assignments in this course. Turnitin® is used to verify that all materials and sources in assignments are documented. Students' submissions are stored on a U.S. server. Students that are concerned about their privacy and/or security may arrange with instructor an alternative (e.g., scaffolded assignment or annotated bibliography). Students will be given due notice, in the first week of the term and/or at the time assignment details are provided, about arrangements and alternatives for the use of Turnitin in this course.

It is the responsibility of the student to notify the instructor if they, in the first week of term or at the time assignment details are provided, wish to submit the alternate assignment.

Mental Health Support

All of us need a support system. The faculty and staff in Arts encourage students to seek out mental health support if they are needed.

On Campus

- Counselling Services: counselling.services@uwaterloo.ca / 519-888-4567 ext. 32655
- [MATES](#): one-to-one peer support program offered by Federation of Students (FEDS) and Counselling Services
- Health Services Emergency service: located across the creek from Student Life Centre

Off campus, 24/7

- [Good2Talk](#): Free confidential help line for post-secondary students. Phone: 1-866-925-5454
- Grand River Hospital: Emergency care for mental health crisis. Phone: 519-749-4300 ext. 6880
- [Here 24/7](#): Mental Health and Crisis Service Team. Phone: 1-844-437-3247
- [OK2BME](#): set of support services for lesbian, gay, bisexual, transgender or questioning teens in Waterloo. Phone: 519-884-0000 extension 213

Full details can be found online on the Faculty of Arts [website](#)

Download [UWaterloo and regional mental health resources \(PDF\)](#)

Download the [WatSafe app](#) to your phone to quickly access mental health support information