

# Econ 420: Topics in Economic Theory

## Winter 2025

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Econ 420 (winter 2025) covers selected topics in modern microeconomic theory, including *Two-sided Matching Market*, *Auction and Mechanism Design*, *Bargaining*, *Coalitional Games*. Game theoretic concepts related to these topics will be introduced/reviewed.

SCHEDULE: Tuesdays and Thursdays, 10:05-11:25am.

OFFICE HOURS: Wednesdays 10:00-11:30am and Fridays 12-1:30pm.

### ASSESSMENT:

Problem sets: 10%  
Midterm: 25%  
Group Presentation: 20%  
Final: 45%

Midterm exam will be held on February 20<sup>th</sup> (Thursday) in class. If you miss the midterm there will be **no** make-up exam and the midterm weight will be shifted to the final. Group presentations (details to be announced) will be at the end of the semester.

### READING:

Notes, slides, and links to online material will be posted on MyCourses. You can also find additional reading material on your own by doing some search and research on any topic we cover.

### ACADEMIC INTEGRITY AND OTHER MCGILL POLICY STATEMENTS:

McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures. See [www.mcgill.ca/students/srr/honest/](http://www.mcgill.ca/students/srr/honest/) for more information.

In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

In the event of extraordinary circumstances beyond the University's control, the delivery, content and/or evaluation scheme in this course is subject to change.

As the instructor of this course, I endeavor to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me and the Office for Students with Disabilities.

No audio or video recording of any kind is allowed in class without the explicit permission of the instructor. The use of mobile computing and communications devices must, in all cases, respect policies and regulations of the University, including in particular the Code of Student Conduct and Disciplinary Procedures; the Policy Concerning the Rights of Students with Disabilities; and the Policy on the Responsible Use of McGill IT Resources.

Instructor generated course materials (e.g., handouts, notes, summaries, exam questions, lecture and class recordings etc.) are protected by law and may not be copied or distributed in any form or in any medium without explicit permission of the instructor. Note that infringements of copyright can be subject to follow up by the University under the Code of Student Conduct and Disciplinary Procedures.

End-of-course evaluations are one of the ways that McGill works towards maintaining and improving the quality of courses and the student's learning experience. You will be notified by e-mail when the evaluations are available. Please note that a minimum number of responses must be received for results to be available to students.

You may use generative artificial intelligence tools (e.g., ChatGPT, Gemini, Claude, etc.) for learning and practicing the concepts in this course, but these tools may NOT be used for completing assignments in this course.