

**University of Victoria**  
**Department of Economics**  
**Mathematical Economics I: An Introduction to Static Methods**  
**(ECON 350, A01 31153, Session 202205)**

**Instructor:** Dr. Eldar Sehic

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**Access:** [Brightspace](#)

**Lecture:** Tuesday/Wednesday/Friday 12:30-2:20 in DTB A104

**Lab:** Tuesday/Wednesday 4:30-5:20/5:30-6:20 in BEC 170

**Office:** online by appointment

### **Course Description**

The course covers mathematical economics topics including constrained optimization, comparative statics, concave programming, and applications of algebra and calculus to economic theory.

**Note:** Credit will be granted for only one of ECON 350, ECON 250.

**Prerequisites:** MATH 101, MATH 200; MATH 110 or MATH 211; MATH 208 with a minimum grade of B; completed or concurrently enrolled in ECON 203.

Information for all courses is available in the [University of Victoria Calendar](#).

### **Tentative Weekly Schedule**

<b>Week</b>	<b>Date</b>	<b>Topic</b>
1	May 10, 11, 13	Introduction
2-3	May 17, 18, 20, 24, 25	Constrained Optimization
3	May 27	FIRST EXAM (covers weeks 1-3)
4	May 31, June 1, 3	Comparative Statics
5-6	June 7, 8, 10, 14, 15	Concave Programming
6	June 17	SECOND EXAM (covers weeks 4-6)
7	June 21, 22	Applications and Review
7	June 24	FINAL EXAM (covers all weeks)

## Recommended Textbook

Textbook is not required.

Recommended textbook is *Optimization in Economic Theory* (1990) 2e by Dixit.

## Grading

25% First Exam

25% Second Exam

50% Final Exam

Exams are based on lectures.

Writing all the exams is essential to passing the course.

General grading scale is available in the [University of Victoria Grading Schedule](#).

## Policies

According to the [University of Victoria Calendar](#):

*“A student may not attempt a course a third time without the prior approval of the Dean of the Faculty and the Chair of the Department in which the course is offered unless the calendar course entry states that the course may be repeated for additional credit. A student who has not received this approval may be deregistered from the course at any point and may be asked to withdraw from his or her declared or intended program.”*

In order to request permission to attempt this course for the third time, you must follow the instructions provided under the link **Repeating Courses** at:

<https://www.uvic.ca/socialsciences/economics/undergraduate/home/course%20policies/index.php>

Failure to obtain permission will result in deregistration from the course.

The course adheres to the standard [Undergraduate Course Policies](#) of the Department of Economics that deal with issues such as:

- Academic concessions
- Academic integrity
- Attendance
- Grading
- Inclusivity and diversity
- Students with a disability
- Travel plans

*We acknowledge and respect the lək̓ʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day.*