Instructor: Dr. Eldar Sehic

Email: sehic@uvic.ca

Access: Brightspace

Lecture: Monday and Thursday 1:00-2:20 in ECS 116

Lab: Thursday 2:30-3:20 in BEC 170, 3:30-4:20 in BEC 160, 4:30-5:20 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: MATH101, MATH200; MATH110 or MATH211; MATH208 with a minimum grade of B; completed or concurrently enrolled in ECON203.

Information for all courses is available in the University of Victoria Calendar.

Tentative Weekly Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1-2</td>
<td>Sep. 9, 13, 16</td>
<td>Introduction</td>
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<tr>
<td>3-5</td>
<td>Sep. 20, 23, 27, Oct. 4</td>
<td>Constrained Optimization</td>
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<td>5</td>
<td>Oct. 7</td>
<td>FIRST EXAM (covers weeks 1-4)</td>
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<tr>
<td>6-8</td>
<td>Oct. 14, 18, 21, 25, 28</td>
<td>Comparative Statics</td>
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<td>9-11</td>
<td>Nov. 1, 4, 8, 15</td>
<td>Concave Programming</td>
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<td>11</td>
<td>Nov. 18</td>
<td>SECOND EXAM (covers weeks 6-10)</td>
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<td>12</td>
<td>Nov. 22, 25</td>
<td>Applications</td>
</tr>
<tr>
<td>13</td>
<td>Nov. 29, Dec. 2</td>
<td>Review</td>
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<tr>
<td>TBD</td>
<td>TBD</td>
<td>FINAL EXAM (covers all weeks)</td>
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Recommended Textbook

Textbook is not required.

Recommended textbook is *Optimization in Economic Theory* (1990) 2e, 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](https://www.uvic.ca/socialsciences/economics/undergraduate/home/course%20policies/index.php).

Policies

According to the [University of Victoria Calendar](https://www.uvic.ca/socialsciences/economics/undergraduate/home/course%20policies/index.php):

“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](https://www.uvic.ca/socialsciences/economics/undergraduate/home/course%20policies/index.php) 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