The objective of the course is to acquire the abilities to model diverse market structures, detecting and evaluating the problems inherent in these structures, with a special focus on market power and strategic interdependence. First, we study non-cooperative Game Theory and show its usefulness in analyzing different economic phenomena characterized by strategic interdependence, characterizing markets with only a few competing firms. Then, we analyze different models of oligopolistic competition and the stability of collusive agreements, using game-theoretic concepts. Finally, we study the case of monopoly, focusing on different types of price discrimination.

CONTENT
Game Theory and Competitive Strategy.
Oligopoly.
Monopoly and Price Discrimination.

COMPETENCES
1. To identify, model, and analyze economic phenomena related to market structures characterized by the existence of market power.
2. Analyze multi-person election problems characterized by the existence of strategic interdependence using the game theory, propose solutions to these problems, and apply the game theory to oligopolistic markets.

These competences are derived from the following specific competences of the area:
- To understand the principles of economic theory from the microeconomic point of view to be able to contribute to the efficient distribution of economic resources.
- To be able to abstract the basic elements of economic reality through the lenses of mathematics, identifying the important factors for the design of these models

TEMARIO
Chapter 1. Game Theory and Competitive Strategy.
Chapter 2. Oligopoly.

TIPOS DE DOCENCIA

<table>
<thead>
<tr>
<th>Tipo de Docencia</th>
<th>Horas de Docencia Presencial</th>
<th>Horas de Actividad No Presencial del Alumno</th>
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Leyenda:
- M: Magistral
- S: Seminario
- GA: P. de Aula
- GL: P. Laboratorio
- GO: P. Ordenador
- GCL: P. Clínicas
- TA: Taller
- TI: Taller Ind.
- GCA: P. de Campo

Aclaraciones:
Lectures, practical lessons, seminars and evaluable exercises.
Clarification: The key element are the lectures, in which we will develop the different topic of the course. In practical lessons, the professor will solve problem sets corresponding to the topic covered in lectures. During the seminar classes, the students will solve questions/problems related to the topic of the course either individually or in groups.

EVALUACION

- Examen escrito a desarrollar
- Realización de prácticas (ejercicios, casos o problemas)
- Trabajos individuales
- Trabajos en grupo

Aclaraciones:
a) Final exam.
b) Task solving (exercises, cases, or problems).
c) Individual problem solving
d) In-group problem solving

Comments:
The continuous (mixed) evaluation is applied in the course. There will be one final exam (on dates specified by the Dean’s office), in which the students will solve both theoretical and practical problems and which will account for 70% of the final grade. In addition, the students will be evaluated on basis of their work throughout the seminars all along the course. This second part will account for 30% of the final grade, whenever the mark of the final exam is at least 4 over 10. The evaluation of this work will be as follows: the students will solve problems and theoretical questions presented by the lecturer. Three of these tasks will be handed in to the lecturer for their evaluation. These tasks will be solved either individually or in groups.

Students who cannot for justified reasons - participate in the continuous evaluation have the right to be solely evaluated on basis of the final exam on dates specified by the Dean’s office. In such a case, their grade will be 100% based on the final exam. Students who will not take the final exam will be graded as No presentado.

Students taking the makeup exam (convocatoria extraordinaria) will be graded 100% on the basis of this exam.

**MATERIALES DE USO OBLIGATORIO**

Basic Bibliography and collection of problems provided by teachers.

**BIBLIOGRAFÍA**

**Bibliografía básica**
- Notes on Imperfect Competition.

**Bibliografía de profundización**

**Revistas**

**Direcciones de internet de interés**