

About the course

This course provides an introduction to game theory, offering a solid foundation for studying applications where strategic analysis is necessary to gain insight into the issues at hand. Particular emphasis is placed on applications within the economics of competition. Among other topics, we discuss how game theory is used to study different forms of imperfect competition between firms and the role of competition policy. We also demonstrate how game theory is applied in other areas of economics.

What will you learn?

Knowledge of:

- Basic concepts and methods of analysis in game theory.
- How competition takes place in markets with a small number of large sellers, i.e. markets characterized by strategic interaction.
- How public authorities can regulate markets with imperfect competition.
- How game theory is used to understand situations involving strategic interaction outside the economics of competition.

Skills:

- Has an understanding of game theory as a tool for discussing current issues in economics and society.
- Can use basic game theory to analyse questions in economics and society, particularly those relating to competition and competition policy.

Competence:

- Can understand analyses and discussions of situations involving strategic interaction.
- Can apply the topics discussed in the course in later work, both during their studies and in professional life.

Admission to the course

Each semester, students must [apply for and be admitted to the teaching activities and register for the examination](#) in Studentweb.

If you do not already have a place of study at UiO, you can apply for admission to one of our [degree programmes](#), or apply to become a [single-course student](#).

You cannot take this course if you have previously completed certain [higher-level ECON courses](#).

Recommended previous knowledge

- The course builds on prior knowledge of microeconomics and mathematics equivalent to [ECON1210 – Microeconomics 1](#) and [ECON1100 – Mathematics I](#). Students without this background are advised not to take the course.

Teaching

Lectures and seminars.

At the beginning of the semester, the course coordinator may update the reading list by replacing up to three articles, provided that the overall scope and thematic content of the syllabus are not substantially changed.

The syllabus also includes any lecture notes made available during the semester.

Examination

This course has a 3-hour written examination in Inspira.

[See previous examination papers](#)

Examination aids

A dictionary may be used during the examination. The dictionary must be approved in advance by SV-info. See the [rules for the use of dictionaries](#).

Examination language

The examination paper is provided in English. You must answer the examination in English.

Grading scale

The course uses a grading scale from A to F, where A is the highest grade and F is a fail. Read more about the [grading scale](#).

Access to a resit or postponed examination

We offer a [postponed examination](#) in the same semester if you are ill or have another valid reason for being absent from the regular examination.

There are restrictions on retaking the examination for this course. Read more about [retaking an examination](#).

Students who wish to retake the examination in a later semester are not guaranteed that the course will be offered with the same content and syllabus, or that the examination format will remain the same.