

Degree programme	Type	Course
Economic Analysis	OB	2

### Contact lecturer

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### Teaching staff

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### Teaching staff (external to UAB)

Christopher Rauh

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### Group languages

You can consult this information at the [end](#) of the document.

### Prerequisites

No specific prerequisites.

### Objectives

In this module students learn advanced research methods in Economics. These methods include frontier techniques in quantitative methods that allow the student to analyze complex datasets. Students will learn to use econometric techniques for both aggregate and micro data, networks and experimental methods. The different methods presented are used and derived from their theoretical foundations.

## Learning outcomes

- CA25 (Design experiments integrating ethical and diversity criteria.) Design experiments integrating ethical and diversity criteria.
- CA26 (Develop evidence-based technical guides for companies and administrations.) Develop evidence-based technical guides for companies and administrations.
- CA27 (Create a framework of indicators for the monitoring of economic policies.) Create a framework of indicators for the monitoring of economic policies.
- CA28 (Apply sustainability approaches to the assessment of environmental impacts of economic decisions.) Apply sustainability approaches to the assessment of environmental impacts of economic decisions.
- CA29 (Communicate regulatory implications to non-specialist audiences clearly.) Communicate regulatory implications to non-specialist audiences clearly.
- KA41 (Identify advanced microeconomic techniques applied to labour market and development.) Identify advanced microeconomic techniques applied to labour market and development.
- KA42 (Explain theoretical labour market models and development for data interpretation.) Explain theoretical labour market models and development for data interpretation.
- KA43 (Describe principles of experimental economics and happiness for causal identification.) Describe principles of experimental economics and happiness for causal identification.
- SA35 (Apply advanced microeconometrics by generating reproducible code.) Apply advanced microeconometrics by generating reproducible code.
- SA36 (Experiment with experimental or quasi-experimental designs to detect causal effects.) Experiment with experimental or quasi-experimental designs to detect causal effects.

## Contents

- Behavioural economics
- Economy of information
- Growth
- Industrial Organisation
- Microeconometrics
- Money and Banking
- Networks
- Policy evaluation

For a detailed description of the content of topics in this module go to <https://sites.google.com/view/idea-program/master-program> .

## Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Practice classes, problems sets, tutorials	25	1	
Theory classes	75	3	

The course will consist of sessions where the instructor presents the material, and sessions specifically dedicated to problem solving. Students are encouraged to form study groups to discuss assignments and readings.

The proposed teaching methodology may undergo some modifications according to the restrictions imposed by the health authorities on on-campus courses.

## Assessment

### Continuous assessment activities

Title	Weight	Hours	ECTS	Learning outcomes
Midterm Exam	26%	0	0	CA25, CA26, CA27, CA28, CA29, KA41, KA42, KA43, SA35, SA36
Midterm Exam	26%	0	0	CA25, CA26, CA27, CA28, CA29, KA41, KA42, KA43, SA35, SA36
Midterm Exam	26%	0	0	CA25, CA26, CA27, CA28, CA29, KA41, KA42, KA43, SA35, SA36
Class Attendance and Problem sets and assignments	22%	0	0	CA25, CA26, CA27, CA28, CA29, KA41, KA42, KA43, SA35, SA36

This modul does not contemplate an evaluation from a single comprehensive exam

Midterm Exam	26%
Midterm Exam	26%
Midterm Exam	26%
Problem sets, assignments & Class attendance and active participation	22%

The proposed evaluation activities may undergo some changes according to the restrictions imposed by the health authorities on on-campus courses.

In this course, the use of Artificial Intelligence (AI) technologies is not permitted in any of its phases. Any work that includes fragments generated with AI will be considered a breach of academic honesty and may result in a partial or total penalty to the activity's grade, or more severe sanctions in serious cases.

## Bibliography

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Bartik, T.J., Who Benefits from State and Local Economic Development Policies, Kalamazoo, MI: W.E. Upjohn Institute for Employment Research, 1991.

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*Additional references will be provided during the course.*

## Software

- Matlab
- R
- Python
- Stata

## Course groups and languages

The information provided is provisional until November 30. After this date, you will be able to consult the language of each group through this [link](#). To access the information, you will need to enter the course CODE

PROVISIONAL