

Degree	Type	Year	Semester
4313384 Applied Research in Economics and Business	OT	0	2

## Contact

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## Use of languages

Principal working language: english (eng)

## Prerequisites

None

## Objectives and Contextualisation

To provide a wider understanding in advanced techniques and topics for empirical research in economics.

## Skills

- Analyse, synthesise and critically evaluate a certain matter of scientific interest and/or real problem case, considering its different perspectives and supporting the results and conclusions obtained.
- Possess and understand knowledge that provides a basis or opportunity for originality in the development and/or application of ideas, often in a research context
- Produce and draft projects, technical reports and academic articles in English, making use of the appropriate terminology, argumentation, communication skills and analytical tools for each context, and rigorously evaluate those produced by third parties.
- Select and apply different and adequate models and/or theoretical frameworks, methodologies and techniques for scientific research, data sources and IT tools for research applied to business and economics.
- Student should possess an ability to learn that enables them to continue studying in a manner which is largely self-supervised or independent
- Understand, analyse and evaluate the main scientific advances and existing lines of research in the fields of contemporary applied and public economics in a globalised context in order to integrate this in scientific research, projects and/or public or private policy. (Speciality in Research in Applied Economics)
- Work in international and inter-disciplinary teams.

## Learning outcomes

1. Analyse, synthesise and critically evaluate a certain matter of scientific interest and/or real problem case, considering its different perspectives and supporting the results and conclusions obtained.
2. Possess and understand knowledge that provides a basis or opportunity for originality in the development and/or application of ideas, often in a research context
3. Produce and draft projects, technical reports and academic articles in English, making use of the appropriate terminology, argumentation, communication skills and analytical tools for each context, and rigorously evaluate those produced by third parties.
4. Recognise and discern theoretical and empirical knowledge related to the economic analysis of environmental issues, including the economic policies dealing with them.

5. Recognise and discern theoretical and empirical knowledge related to the measurement of poverty and inequality in income and wealth distribution, including redistributive policies.
6. Recognise and distinguish the theoretical and empirical knowledge associated to questions of efficiency and equity in economics, and how they can contribute to the economic development of societies.
7. Resolve global socio-economic problems and challenges in a context of the increasing integration of the global economy by applying economic analysis.
8. Student should possess an ability to learn that enables them to continue studying in a manner which is largely self-supervised or independent
9. Understand the mathematical, statistical and econometric fundamentals and instruments required for statistical inference.
10. Work in international and inter-disciplinary teams.

## Content

### Ecological Economics

Themes:

1. The relationship between the economy and the environment. Economic analysis of environmental problems.
2. Different conceptions and indicators of sustainable development.
3. Economic appraisal of environmental policies.
4. The relationship between economic growth and environmental quality. Environmental policy tools.
5. Global environmental problems: Economics and policy of climate change.

### Economics of Inequality

Themes:

1. The measurement of economic inequality
2. The measurement of economic poverty
3. Economic mobility
4. Intergenerational Mobility and Equality of Opportunity
5. Vertical equity and progressivity
6. Horizontal equity and differences in tax treatment

## Methodology

Classes, essay writing, tutorials, study and research activities.

## Activities

Title	Hours	ECTS	Learning outcomes
<b>Type: Directed</b>			
Directed	37.5	1.5	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
<b>Type: Supervised</b>			
Supervised	22.5	0.9	1, 2, 3, 4, 5, 6, 7, 8, 9, 10

**Type: Autonomous**

Autonomous	82.8	3.31	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
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**Evaluation**

Class attendance, presentation and discussion of essays and problems, presentation and discussion of readings, exams.

**Evaluation activities**

Title	Weighting	Hours	ECTS	Learning outcomes
Class attendance	5%	0	0	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Exams	70%	3.2	0.13	2, 4, 6, 7, 8, 9
Presentation and discussion of essays and problems	15%	2	0.08	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Presentation and discussion of readings	10%	2	0.08	1, 2, 3, 4, 5, 6, 7, 8, 9, 10

**Bibliography**

- Common, M. and S. Stagls (2005), "Ecological Economics". Cambridge University Press
- Jacobs, M. (1996), The Green Economy: Environment, Sustainable Development and the Politics of the Future, Pluto Press.
- Pearce, D. and R. Turner (1990), Economics of Natural Resources and the Environmental, Harvester Wheatsheaf
- Atkinson, A. (1998), "Poverty in Europe", Yrjö Jahnsson Lectures, Blackwell.
- Atkinson, A. and Bourguignon, F. (2000), Handbook of Income Distribution. North Holland.
- Cowell, F. (1995), "Measuring Inequality". 2nd edition, Prentice Hall
- Lambert, P. (2001), The Distribution and Redistribution of Income, 3rd edition, Manchester University Press
- Silber, J. (1999), Handbook on Income Inequality Measurement, Boston: Kluwer.