Advanced Topics in Applied Economics

Code: 43791
ECTS Credits: 9

2018/2019

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

Contact
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Email: Gabriel.Facchini@uab.cat

Teachers
Gabriel Alejandro Facchini Palma
Miguel Angel López García

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. Correctly apply the advanced econometric techniques needed to obtain empirical results that are valid for the practical problem being studied.
3. 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.
4. 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.
5. Propose empirical problems and solve them using the most suitable quantitative methodologies in terms of macroeconomic questions and territorial economy.
6. Recognise and discern theoretical and empirical knowledge related to the macroeconomic functioning of the labour market.
7. Recognise and distinguish the theoretical and empirical knowledge associated to public economics both in its most advanced microeconomic fundaments and in application to questions such as tax design and environmental economics and the social evaluation of projects.
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. Work in international and inter-disciplinary teams.

Content

**Advanced econometrics**

Themes:

1. Regression model review
2. Systems of equations
3. Dynamic models
4. Unit roots and cointegration
5. Discrete choice models: binomial and multinomial choice models

**Public Economics**

Themes:

1. A framework for normative analysis
2. Commodity taxation
3. Income taxation
4. Tax evasion
5. Intertemporal efficiency
6. Social security
7. Taxation and economic growth

**Labour Macroeconomics**

Themes:
1- Labor supply and labor demand

2- Wage Rigidities and the New Keynesian Model

3- NAIRU models

4- Chain reaction theory and structuralism

5- Old and new Phillips curve

6- Wages curve

**Methodology**

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

**Activities**

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<th>Learning outcomes</th>
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**Evaluation**

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

**Evaluation activities**

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**Bibliography**

- Cameron, A. and P. Trivedi (2005), Microeconometrics: Methods and Applications, Cambridge University Press
• Wooldridge, J. (2003), Introductory Econometrics, Thomson
• Salanié, B. (2003), The Economics of Taxation, MIT Press.