Prerequisites to Enroll

None.

Overview and Objectives

Modern Macroeconomics is based on the idea that observations from reality are the result of decisions and actions of rational agents interacting in markets, so that what we observe are equilibrium processes. Understanding these equilibrium processes, formulating policy recommendations, and assessing the feedback of those policies on the equilibrium are key issues in Macroeconomic Theory.

The aim of this course is to provide a basic set of economic models that are broadly used to understand relevant issues in aggregate economics, and the convenient tools required for its analysis. Our main goal therefore, is not to spend too much time in technicalities but rather, to continue developing intuitions and the ability to think of macroeconomic issues.

With this goal in mind, in our syllabus we will start with a brief motivation, after that we cover the infinitely lived agents model the overlapping generations model (the two main theoretical constructions) and review a few of their applications. In the second part of the course we develop the connections between "theory" and "reality": measurement of current economic facts, test the predictions of the theory in light of reality, revise some applications regarding inequality.

Course Outline

1. INTRODUCTION

- What is macroeconomics?
- Current state of research
- Transfer from research to policy making

- Krugman, Paul, 1989: "There is something about macro", manuscript.

2. INFINITELY-LIVED AGENTS
12M001
Macroeconomics

- The Neoclassical model of growth
- Competitive equilibrium and welfare
- Distribution dynamics without uncertainty
- Uncertainty and Real Business Cycles
- Recursive formulation, and a preview to finding numerical solutions
- Idiosyncratic shocks and incomplete markets economies
- Applications to fiscal and monetary policy
- On efficiency vs equality in General Equilibrium


4. Data and Measurement in Macroeconomics

- Defining Trends and Cycles
- National Income and Products Accounts and BLS
- Constructing the Labor Share
- Constructing the Relative Price of Quality-Adjusted Investment
Macroeconomics

- Measuring Productivity

Bibliography:


5. Inequality in Macroeconomics I: The Aggregate Factor Distribution of Income

- In the Long Run: The Global Decline of the Labor Share
- In the Short Run: A Countercyclical Labor Share

Bibliography:


6. Inequality in Macroeconomics II: Income and Wealth Inequality

- Getting the Wealth Distribution Right
- Entrepreneurs and the Corporate Sector.
- Wealth and Inheritance Taxation.

Bibliography:
Macroeconomics

- Guvenen F., Kambourov G., Kuruscu B., Ocampo S. and Chen D. “Use It or Lose It: Efficiency Gains from Wealth Taxation”, Working Paper, Minneapolis FED.

Required Activities

There will be problem sets, which are intended to put at work the ideas introduced in class. Students are highly encouraged to discuss these exercises to detect difficulties and to develop their expertise in solving them.

Evaluation

The evaluation of the course will be obtained in a final exam, in which there will be questions covering all the materials reviewed in the classes. (Percentage)

Competences

☒ To (be able to) communicate with determination and in the English Language, the results and implications of the required analytical study using a language that the receiver can relate to.

☒ To work within a heterogeneous team of researchers as economic analyst using specific group techniques.

☒ To fit in diverse professional environments and varied types of collaborations in different professional projects

☒ To possess and understand the knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context.

☒ That students know how to apply the acquired knowledge and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study

☒ That the students be able to integrate knowledge and face the complexity of making judgments based on information that, being incomplete or limited, include reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.

☒ That the students be able to communicate their conclusions and the knowledge and the ultimate reasons that
sustain them to both, specialized and non-specialized publics in a clear and unambiguous way.

- That students possess the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous.

- To identify and apply the insights of the theory, the models, and the analytical tools of modern economy to its global dimension

**Learning Outcomes**

- Knows the quantitative economy
- Knows the different specific fields in economy
- Knows the theory, practice, fundamentals and applications of economic policies
- Knows the theory and practice of financial markets.
- Analyzes the problems of banking management and other financial institutions using economic theory

**Materials**