The course will develop concepts and models that are highly used in macroeconomics and can be applied to a broad range of topics like price dispersion, unemployment, public finance, social insurance, money and credit, financial markets. The course will allow students to get familiar with dynamic programming and other formal tools that are key for the understanding and conduct of research in different macroeconomic and related fields. The course will follow specific chapters of Sargent and Ljungqvist (2012) and Adda and Cooper (2003). These contents will be illustrated with selected academic papers to provide the students with concrete examples of state-of-the-art macroeconomics research.

Course Outline

Chapter 1. Competitive equilibria and market incompleteness

Chapter 2. Monetary and labor economics

Chapter 3. Financial markets and the macroeconomy

Textbooks