

Master's Title: **Master in Economics and Finance**  
 Master's Code: **P04K**  
 Class Cohort: **2023-2025**  
 Academic Year: **2024-2025**  
 Director: **Guillermo Caruana Húder**

**FOURTH TERM 24-25: SEPTEMBER 23, 2024 - NOVEMBER 29, 2024**

Code	Course Title	Objectives	Day	Start Time	End Time	Professor(s)
102692	Research Seminar	This Research Workshop aims to provide some guidance for second-year Master's students to transition more effectively from coursework to research. The course will cover the following topics: Coding and managing data for effective and replicable applied economics research, writing a research paper, presenting research, critically evaluating papers and writing referee reports, useful software and computing tips, and introduction to the Master thesis	Monday to Friday	9:30	13:00	Diego Puga
102673	Regulation and Competition Policy	The course is divided in two parts. In the first part, we provide a framework to study the classical regulation policies in sectors such as energy, telecommunications, transportation, etc. The second part of the course is an introduction to competition policy.	Monday Thursday	15:00 9:30	16:30 13:00	Gerard Llobet
102682	Topics in Macroeconomics	This course will focus on macro-labor topics. It has three main goals: First, it aims to introduce students to basic search and matching models and how search frictions are introduced into models of ...rm dynamics. Second, it will cover recent applications of search and matching frameworks and ...rm dynamics to study questions on inequality and household decisions (joint labor supply, marriage, and fertility). Third, the covers will move beyond search friction and study other current topics on macro-labor, such as monopsonistic labor markets, local labor markets, and their macroeconomic implications.	Thursday Friday	15:00 11:30	18:30 13:00	Nezih Guner
102686	Economics of Banking	This course focuses on understanding the role of banks in the markets for credit and liquidity. Starting with the industrial organization approach to banks, it covers contributions to financial intermediation theory based on information economics, the rationale for and the analysis of the micro- and macro-prudential regulation of banks, and recent advances to incorporate banks in dynamic general equilibrium models.	Wednesday Friday	15:00 9:30	18:30 11:00	David Martínez-Miera
102683	Microeconometrics	This course is concerned with econometric techniques for the analysis of micro data. Topics in both theoretical and applied econometrics are covered, with a view to illustrate the interaction between models, data and methods.	Monday Tuesday	9:30 9:30	11:00 13:00	Dmitry Arkhangelsky
102675	Labor Economics	This course introduces the core toolkit for labor economists and provides a general framework to understand the different types and measures of inequality, what drives it, and its consequences.	Monday Wednesday	17:00 9:30	18:30 13:00	Tom Zohar
102676	Urban Economics	In this course in urban economics, we will study theory and evidence on how productivity, amenities and congestion determine the size and composition of cities and their evolution. We will examine the determinants and consequences of location choices made by firms and workers. We will also explore the importance of cities for aggregate economic development. The research strategies, modelling tools and problems of measurement and identification discussed, while examined in the context of urban issues, are intended to be useful to students interested in a wide variety of topics.	Monday Tuesday	11:30 15:00	13:00 18:30	Diego Puga

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**SECOND TERM 24-25: JANUARY 7, 2025 - MARCH 14, 2025**

Code	Course Title	Objectives	Day	Start Time	End Time	Professor(s)
102691	Applied Economics Workshop	The workshop is aimed at helping students to become acquainted with several empirical approaches, methodological issues, and evidence in different areas of Economics. It also helps them to learn and practice the skills of academic presentation.	Wednesday	15:00	16:45	Samuel Bentolila
102664	Uncertainty and Information	This course revises the main models of modern information economics, using the analysis of choice under uncertainty and game theory with incomplete information as a benchmark.	Monday Friday	11:30 9:30	13:00 13:00	Guillermo Caruana
102665	Macroeconomics II	This course has four aims: 1) introduce uncertainty into Arrow-Debreu market structure and study its implications for asset pricing and insurance, 2) get you acquainted with the stochastic version of the Neoclassical Growth model, 3) study the extensions of the neoclassical framework that allows for frictions in labor and good markets, with a focus on the New Keynesian (NK) models, 4) study the role of government policies within neoclassical growth model and NK models.	Tuesday Thursday	9:30 9:30	11:00 13:00	Kurt Mitman
102666	Econometrics	This course introduces the main models and methods for estimation and inference used in econometrics both for time series and for panel and cross-sectional data.	Monday Wednesday	9:30 9:30	11:00 13:00	Manuel Arellano

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**FIFTH TERM 24-25: JANUARY 7, 2025 - MARCH 14, 2025**

Code	Course Title	Objectives	Day	Start Time	End Time	Professor(s)
102685	<b>Data Science for Economics</b>	The Data Science in Economics course is where the dynamic fields of econometrics and machine learning converge. The course delves into the art and science of predictive modeling, with a special focus on leveraging the power of Natural Language Processing (NLP) through Python.	Wednesday	15:00	18:30	Christopher Rauh
			Thursday	9:30	11:00	
102684	<b>Time Series Econometrics</b>	This course studies econometric models for describing and predicting economic and financial time series, and analysing the interrelations suggested by economic theory.	Monday	9:30	11:00	Enrique Sentana
			Tuesday	15:00	18:30	
102679	<b>Topics In Applied Microeconomics</b>	This course will be devoted to two topics: Political Economy and Economics of Education.	Tuesday	9:30	11:00	Samuel Bentolila & Agustín Casas
			Thursday	15:00	18:30	
102690	<b>Topics in Finance</b>	This course introduces empirical research in a broad range of important questions in finance. The focus is empirical, and so are most of the papers that will be discussed. Importantly, it is not an econometrics course but rather a course in which econometric tools are used to answer substantive questions in finance. It is a "topics" course, reflecting its instructors' own interests, with two clearly differentiated parts. The first part of the course is focused on corporate finance and financial intermediation. In turn, the second part of the course, is focused on asset pricing and financial risk management, with some emphasis on their macroeconomic implications.	Monday	17:00	18:30	Enrique Sentana & Andrea Sy
			Wednesday	9:30	13:00	
102674	<b>Empirical Industrial Organization</b>	This is an advanced course in Industrial Organization. This course is designed to bridge between theory and empirics. In this course, our goal is to understand how empirical models in the structural IO literature arise naturally from the theoretical literature. We will also place special emphasis in learning how to identify and formulate economic questions. With this aim, the course will be structured around frontier topics in Industrial Organization.	Monday	11:30	16:30	Susanna Esteban
			Tuesday	11:30	13:00	
102681	<b>International Macroeconomics</b>	This course covers intermediate and advanced topics in international macroeconomics and international finance. It includes the study of positive and normative issues, such as: Why do countries borrow and lend? What assets do countries trade? What are the implications of international capital flows? How do open economies considerations affect the way we think about monetary policy? Should countries restrict capital flows?	Thursday	11:30	13:00	Sebastián Fanelli
			Friday	9:30	13:00	

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**FIRST TERM 24-25: SEPTEMBER 23, 2024 - NOVEMBER 29, 2024**

Code	Course Title	Objectives	Day	Start Time	End Time	Professor(s)
102660	Mathematics	This course provides a complete and rigorous review of the main mathematical methods used in economics	Monday to Friday	9:30	16:30	Dante Amengual
102661	Microeconomics	This course studies the behavior of the fundamental microeconomic agents - consumers and producers- and revises the main results of competitive general equilibrium theory. Likewise, this course provides a rigorous introduction to game theory with complete information.	Monday Thursday	9:30 9:30	11:00 13:00	Guillermo Caruana
102662	Macroeconomics I	This course provides the student with a basic knowledge in macroeconomics through the analysis of the neo-classical growth model and its implications for aggregate allocations in the long run.	Monday Wednesday	11:30 11:30	16:30 13:00	Josep Pijoan-Mas
102663	Statistical Methods in Econometrics	This course provides students with the required knowledge in statistics for econometric courses and for the topics with statistical content in other courses of the Program. This course reviews the basic concepts of probability theory, inference and asymptotic theory, with special reference to likelihood and regression models.	Tuesday Friday	9:30 11:30	13:00 13:00	Pedro Mira
102691	Applied Economics Workshop	The workshop is aimed at helping students to become acquainted with several empirical approaches, methodological issues, and evidence in different areas of Economics. It also helps them to learn and practice the skills of academic presentation.	Wednesday	15:00	16:30	Samuel Bentolila