

MASTER IN QUANTITATIVE ECONOMIC ANALYSIS
2024-2025

Classroom: E-1-301

First term: 10 weeks. Lectures from 30th September to 5th December 2024.

Exams: from 16th December to 20nd December 2024.

1st term	Monday	Tuesday	Wednesday	Thursday	Friday
15:00-17:00	Advanced Macroeconomics: Numerical Methods	Microeconomics: Decision Theory	Economic Time Series	Introduction to Computational Economics (weeks 1 to 3) ----- Introduction to Machine Learning in Economics and Finance (weeks 4 to 10)	<i>Workshop in Research Methodologies</i>
17:00-19:00	Economic Time Series	Mathematical Methods in Economics	Introduction to Computational Economics (weeks 1 to 3) ----- Introduction to Machine Learning in Economics and Finance (weeks 4 to 10)	Mathematical Methods in Economics	<i>Workshop in Research Methodologies</i>
19:00-21:00	Introduction to Computational Economics (weeks 1 to 3) ----- Introduction to Machine Learning in Economics and Finance (weeks 4 to 10)		Advanced Macroeconomics: Numerical Methods	Microeconomics: Decision Theory	<i>Workshop in Research Methodologies</i>

<u>Code</u>	<u>Subject</u>	<u>Instructor</u>	<u>Department</u>	<u>ECTS</u>
33437	Mathematical methods in Economics	Marta Llorente Comi	Análisis Económico: Economía Cuantitativa. UDI Matemáticas	4
33443	Advanced Macroeconomics: Numerical Methods	Beatriz de Blas Pérez	Análisis Económico: Teoría Económica e Historia Económica	4
33444	Microeconomics: Decision Theory	Carmen Arguedas Tomás	Análisis Económico: Teoría Económica e Historia Económica	
33441	Economic Time Series	Pilar Poncela Blanco	Análisis Económico: Economía Cuantitativa. UDI Econometría	4
33438	Introduction to Computational Economics	Sara Cuenda Cuenda	Análisis Económico: Economía Cuantitativa. UDI Matemáticas	2
33439	Introduction to Machine Learning in Economics and Finance	Javier Bas Vicente	Análisis Económico: Economía Cuantitativa. UDI Econometría	4

Second term: 10 weeks. Lectures from 8th January to 18th March 2025.

Exams: from 20th March to 31th March 2024.

2nd term	Monday	Tuesday	Wednesday	Thursday	Friday
15:00-17:00	An introduction to Economic Big Data	Competition Economics	Macroeconomic Modelling	Quantitative Methods in Macroeconomic Analysis and Forecasting Business Cycles	<i>Workshop in Research Methodologies</i>
17:00-19:00	Competition Economics	An introduction to Economic Big Data	Microeconometrics	Microeconometrics	<i>Workshop in Research Methodologies</i>
19:00-21:00	International Economics and Finance/ Social and Economic Networks	Quantitative Methods in Macroeconomic Analysis and Forecasting Business Cycles	International Economics and Finance/ Social and Economic Networks	Macroeconomic Modelling	<i>Workshop in Research Methodologies</i>

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33445	Macroeconomic Modeling	Fernando García Berenguer	Análisis Económico: Teoría Económica e Historia Económica	4
33446	Competition Economics	Andrés Maroto Sánchez	Análisis Económico: Teoría Económica e Historia Económica	4
33442	Microeconometrics	Rocío Sánchez Mangas	Análisis Económico: Economía Cuantitativa. UDI Econometría	4
33440	An Introduction to Economic Big Data	Julia Díaz García	Escuela Politécnica Superior-Ingeniería Informática	4
33448	International Economics and Finance	Carlos Llano Verduras	Análisis Económico: Teoría Económica e Historia Económica	4
33447	Quantitative Methods in Macroeconomic Analysis and Forecasting Business Cycles	Aránzazu de Juan Fernández	Análisis Económico: Economía Cuantitativa. UDI Econometría	4
33449	Social and Economic Networks	Martha Saboyá Baquero/ Marta Llorente Comí	Análisis Económico: Economía Cuantitativa. UDI Matemáticas	4

Third term: 6 weeks. Lectures from 8th April to 23th May 2025.

Exams: from 26th to 30th May 2025.

3rd term	Monday	Tuesday	Wednesday	Thursday	Friday
15:30-17:30		Stochastic Calculus and Quantitative Finance		Topics in Economics	<i>Workshop in Research Methodologies</i>
17:45-19:45		Topics in Economics		Stochastic Calculus and Quantitative Finance	<i>Workshop in Research Methodologies</i>

<u>Code</u>	<u>Subject</u>	<u>Instructor</u>	<u>Department</u>	<u>ECTS</u>
33451	Stochastic Calculus and Quantitative Finance	Antonio Martín Arroyo/ Susana López	Análisis Económico: Economía Cuantitativa.	3
33453	Topics in Economics	Eugenio Zuchelli	Análisis Económico: Teoría Económica e Historia Económica	3