

**MASTER IN QUANTITATIVE ECONOMIC ANALYSIS**  
**2026-2027**

**Classroom: E-1-301**

**First term: 10 weeks. Lectures from 28th September to 4th December 2025.**

**Exams: from 14th December to 18th December 2026 (tentative).**

| 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)<br>-----<br>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)<br>-----<br>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)<br>-----<br>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                         | Sara Cuenda Cuenda                                                 | Análisis Económico: Economía Cuantitativa. UDI Matemáticas | 4           |
| 33443       | Advanced Macroeconomics: Numerical Methods                | Angel García Brazales (3 ECTS)/ Fernando García Berenguer (1 ECTS) | 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                   | Marta Llorente Comí                                                | 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 11th January to 19th March 2027.**

**Exams: from 5th April to 9th April 2027.**

| 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/ Social and Economic Networks | <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  | Quantitative Methods in Macroeconomic Analysis and Forecasting Business Cycles/ Social and Economic Networks | International Economics and Finance | Macroeconomic Modelling                                                                                      | <i>Workshop in Research Methodologies</i> |

| <u>Code</u> | <u>Subject</u>                                                                 | <u>Instructor</u>          | <u>Department</u>                                          | <u>ECTS</u> |
|-------------|--------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------|-------------|
| 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                                            | Javier Barbero             | 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                                                   | Sara Cuenda Cuenda         | Análisis Económico: Economía Cuantitativa. UDI Matemáticas | 4           |

**Third term: 6 weeks. Lectures from 12th April to 21st May 2027.**

**Exams: from 24th to 28th May 2027 (tentative).**

| 3rd term    | Monday                                       | Tuesday                                 | Wednesday                                    | Thursday                                | Friday                             |
|-------------|----------------------------------------------|-----------------------------------------|----------------------------------------------|-----------------------------------------|------------------------------------|
| 15:30-17:30 | Stochastic Calculus and Quantitative Finance | Topics in Finance and Applied Economics | Topics in Economics                          | Impact Evaluation Methods               | Workshop in Research Methodologies |
|             |                                              |                                         |                                              |                                         |                                    |
| 17:45-19:45 | Topics in Economics                          | Impact Evaluation Methods               | Stochastic Calculus and Quantitative Finance | Topics in Finance and Applied Economics | Workshop in Research Methodologies |

| <u>Code</u> | <u>Subject</u>                               | <u>Instructor</u>            | <u>Department</u>                                         | <u>ECTS</u> |
|-------------|----------------------------------------------|------------------------------|-----------------------------------------------------------|-------------|
| 33450       | Impact Evaluation Methods                    | Rocío Sánchez Mangas         | Análisis Económico: Economía Cuantitativa.                |             |
| 33451       | Stochastic Calculus and Quantitative Finance | Marta Llorente Comi/ pending | Análisis Económico: Economía Cuantitativa.                | 3           |
| 33452       | Topics in Economics                          | Felix Muñoz                  | Análisis Económico: Teoría Económica e Historia Económica | 3           |
| 33453       | Topics in Finance and Applied Economics      | Jennifer Graves              | Economía Aplicada: Hacienda pública                       | 3           |