

# Plan of studies 2023-2024

## Master of Science in Economics

### Class LM-56

#### GENERAL ECONOMICS CURRICULUM

First year – 60 ECTS				
ECTS	Course	Scientific Sector	TAF	Field
12	Mathematical Methods for economics	SECS-S/06	B	Statistics/mathematics
9	Advanced Statistics	SECS-S/01	B	Statistics/mathematics
12	Advanced Macroeconomics	SECS-P/01	B	Economics
12	Advanced Microeconomics	SECS-P/01	B	Economics
9	Advanced Econometrics	SECS-P/05	B	Economics
6	European Economic Law	IUS/05	B	Law

Second year – 60 ECTS				
ECTS	Course	Scientific Sector	TAF	Field
9	Student's choice		D	
15	Final dissertation		E	
<b>24 ECTS chosen from</b>				
6	Topics in microeconometrics	SECS-P/05		
6	Globalization and development	SECS-P/01		
6	Labour economics in an European perspective	SECS-P/02		
6	History of economic thought	SECS-P/04		
6	Industrial dynamics	SECS-P/02	C	Economics Electives
6	Topics in macroeconometrics	SECS-P/08		
6	Economic methodology	SECS-P/01		
9	Economic growth in history	SECS-P/12		
9	Computational economics	SECS-P/01		
<b>12 ECTS chosen from</b>				
6	Economics and management of innovation	SECS-P/08		
6	Business and Society	SECS-P/08	B	Management Area
6	Financial risk management	SECS-P/11		

**LEGEND:** ECTS – Number of Credits; TAF - type of activity; B - Core; C - Elective; D - free choice; E - Final exam

## QUANTITATIVE FINANCE CURRICULUM

First year – 60 ECTS				
ECTS	Course	Scientific Sector	TAF	Field
12	Mathematical Methods for economics	SECS-S/06	B	Statistics/mathematics
9	Advanced Statistics	SECS-S/01	B	Statistics/mathematics
12	Advanced Macroeconomics	SECS-P/01	B	Economics
6	Mathematical Methods for finance	SECS-S/06	C	Statistics/mathematics
12	Advanced Microeconomics	SECS-P/01	B	Economics
9	Advanced Econometrics	SECS-P/05	B	Economics

Second year – 60 ECTS				
ECTS	Course	Scientific Sector	TAF	Field
9	Financial Economics	SECS-P/02	C	Economics
6	Corporate Finance	SECS-P/11	B	Management
9	Student's choice		D	
18	Final dissertation		E	
6 ECTS chosen from				
6	Financial Econometrics	SECS-P/05	C	Financial Electives
6	Mathematical Methods for Insurance	SECS-S/06		
6 ECTS chosen from				
6	Economics and management of innovation	SECS-P/08	B	Management Area
6	Business and Society	SECS-P/08		
6	Financial Risk Management	SECS-P/11		
6 ECTS chosen from				
6	European Economic Law	IUS/05	B	Law Area
6	Law of financial markets and institutions	IUS/05		

**LEGEND:** ECTS – Number of Credits; TAF - type of activity; B - Core; C - Elective; D - free choice; E - Final exam

## OFFICIAL STATISTICS CURRICULUM

First year – 60 ECTS				
ECTS	Course	Scientific Sector	TAF	Field
9	Advanced Statistics	SECS-S/01	B	Statistics/mathematics
12	Advanced Macroeconomics	SECS-P/01	B	Economics
12	Advanced Microeconomics	SECS-P/01	B	Economics
9	Advanced Econometrics	SECS-P/05	B	Economics
12 ECTS chosen from				
6	Economics and management of innovation	SECS-P/08	B	Management Area
6	Business and Society	SECS-P/08		
6	Financial Risk Management	SECS-P/11		
6 ECTS chosen from				
6	European Economic Law	IUS/05	B	Law Area
6	Law of financial markets and institutions	IUS/05		

Second year – 60 ECTS				
ECTS	Course	Scientific Sector	TAF	Field
12	Official Statistics	SECS-S/01	C	Statistics/mathematics
9	Student's choice		D	
21	Final dissertation		E	
12 ECTS Chosen from				
6	Survey Methods: Traditional and New Techniques in Official Statistic	SECS-S/01	C	Statistics EMOS core
6	European Statistical System and Data Production Model	SECS-S/01		
6 ECTS chosen from				
6	Macroeconometrics	SECS-P/05	C	EMOS Elective
6	Analysis of Survey Data and Small Area Estimation	SECS-S/01		

**LEGEND:** ECTS – Number of Credits; TAF - type of activity; B - Core; C - Elective; D - free choice; E - Final exam

**Important note on the Official Statistics curriculum:** in order to obtain the EMOS certification the 9 ECTS of student's choice should be allocated to the Final Dissertation. Therefore, the Final Dissertation should consist in 30 ECTS.

The "Official Statistics" 12 ECTS activity consists in an internship at an Institution that is part of the European Statistical System.