Study Plan

School: School of Social Sciences
Degree: Master
Course: Economics (cód. 607)

1st Year - 1st Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
ECN11906M	Macroeconomics	Economy	6	Semester	156
ECN11908M	Microeconomics	Economy	6	Semester	156
ECN11907M	Econometrics	Economy	6	Semester	156

***** TRANSLATE ME:Optativas I *****

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
ECN11988M	International Trade	Economy	6	Semester	156
ECN11989M	Economic Growth	Economy	6	Semester	156
ECN11990M	Economic and Social Development	Economy	6	Semester	156
ECN11991M	Regional Development	Economy	6	Semester	156
ECN11992M	Public Economics	Economy	6	Semester	156
ECN11993M	Urban Economics	Economy	6	Semester	156
ECN11994M	Labour Economics	Economy	6	Semester	156
ECN11910M	Monetary Economics and Monetary Policy	Economy	6	Semester	156
ECN11995M	An Introduction to General Equilibrium Models	Economy	6	Semester	156
ECN11912M	Economic and Financial Modelling	Economy	6	Semester	156
ECN11909M	Foundations of Economic Analisys	Economy	6	Semester	156
*** TRANSLATE ME:Optativa livre ***					

1st Year - 2nd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
ECN11987M	Economic Decision Analysis	Economy	6	Semester	156
ECN11913M	Research Methodologies	Economy	6	Semester	156

1st Year - 2nd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
*** TRANSLATE ME:Optativas I ***					

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
ECN11988M	International Trade	Economy	6	Semester	156
ECN11989M	Economic Growth	Economy	6	Semester	156
ECN11990M	Economic and Social Development	Economy	6	Semester	156
ECN11991M	Regional Development	Economy	6	Semester	156
ECN11992M	Public Economics	Economy	6	Semester	156
ECN11993M	Urban Economics	Economy	6	Semester	156
ECN11994M	Labour Economics	Economy	6	Semester	156
ECN11910M	Monetary Economics and Monetary Policy	Economy	6	Semester	156
ECN11995M	An Introduction to General Equilibrium Models	Economy	6	Semester	156
ECN11912M	Economic and Financial Modelling	Economy	6	Semester	156
Group of Free Options					

2nd Year - 4th Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
Dissertation					
Report					
Project Work					

2nd Year - 3rd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
Dissertation					
Report					
Project Work					

Conditions for obtaining the Degree:

*** TRANSLATE ME:

Para aprovação neste mestrado é necessário a aprovação (através de avaliação ou creditação) das seguintes unidades curriculares (a partir do ano letivo 2022/23 de acordo com registo na DGES em 29/4/2022):

1º semestre

3 ucs obrigatórias num total de 18 ects

2 optativas num total de 12 ects a escolher entre as optativas do plano de estudos disponíveis, podendo 6 ECTS ser optativa livre na Área Científica de Economia,. Nesses 12 ECTS, o estudante poderá ser aconselhado pela CEA na admissão ao mestrado a frequentar a UC Fundamentos de Economia.

2º semestre

2 ucs obrigatórias num total de 12 ects

18 ects em ucs optativas a escolher entre as optativas do plano de estudos disponíveis, podendo 18 ECTS ser em optativas livres na Área Científica de Economia

3º e 4º semestre

Dissertação/Trabalho de Projeto /Estágio Profissional 60 ects ***

Program Contents

Back

Macroeconomics (ECN11906M)

1-Demand management policies in a open-economy framework.
2 – Government deficit and public debt.
3- The labor market, the Phillips curve debate and the dynamic aggregate supply
4- The complete model
5- The business cycles: the new Keynesian economics and the Theory of Real Business Cycles.
6- The long run: from neoclassical growth models to the endogenous growth.
7- New frontiers for macroeconomics

Back

Microeconomics (ECN11908M)

1. Individual consumption and production choices
2. Equilibrium in competitive markets
3. Market failures: externalities and public goods; information asymmetries; market power
4. Game theory

Back

Econometrics (ECN11907M)

I. Linear Regression Model: Specification, Estimation and Inference; Endogenous Regressors.
II. Nonlinear Models: Estimation and Inference; Models with discrete dependent variable
III. Panel Data Models: Fixed and Random Effects Models; Dynamic Models.
IV. Time Series Models: Univariate and Multivariate Models; Unit roots and Cointegration.

Back

International Trade (ECN11988M)

1. World trade: patterns of specialization, recent and prospective trends.
2. The International Economic Order and the International Trade Organizations. The Legal Framework of World Trade: The GATT and the WTO
3. Analysis of statistical data on international trade: indicators of the internationalization of economies and companies.
4. The economics of international trade: from the classical approach to the new "empirical" models of trade.
5. Foreign Trade Policy - tariff and non-tariff restrictions on trade and their economic effects.
6. Protectionism versus Free Trade - Arguments.
7. Strategic Trade Policy: from business integration to regional integration
8. Regionalism and multilateralism: Major regional trade blocs.
9. Public policies to encourage exports.
10. Basic instruments for the development of the Export / Import activity.

Back

Economic Growth (ECN11989M)

Part 1: Introduction
1.1 Stylized facts
1.2 The Solow-Swan model
1.3 absolute and conditional convergence.
Part 2: The neoclassical growth model.
2.1 Economic Growth with infinite time horizon and optimizing agents: the model of Ramsey-Cass-Koopmans;
2.2 Human capital and economic growth
2.4 1st generation endogenous growth models
One-sector models of economic growth; the AK model, Leaning-by-doing, and knowledge spillovers;
Two-sector models of economic growth: The Lucas-Uzawa and the Nelson-Phelps models.
The scale effects (Jones and Mankiw)
Economic growth in the context of open economy
Part 3: Economic Growth, Natural Resources and Sustainability
3.1 Endogenous Growth and Sustainability:
3.2 The Environmental Kuznets Curve and the Green account

Back

Economic and Social Development (ECN11990M)

1.Introduction:Definition of economic development. Poverty and social exclusion.WB Indexes. Absolute & relative welfare. Equity and efficiency. Poverty, under-nutrition and famines
2.Economic development behavioural analysis. 2i) Theories: Households and development. Land market: a key issue. Credit and rural markets: micro-credit and fragmented markets. Human capital and income distribution.
Poverty reduction: efficiency and equity.Technical progress and learning in development. Environment.
2ii) Applied cases: human capital. Property rights and incentives. The case for African development.
3.Some examples of development public policies: The role of the State, the Market and international NGO's in development.
4.The role of institutions: Entitlements and capabilities as constitutive elements. Accountability. Political & economic factor in development.Theory of the firm, endogenous transaction costs. Neo-institutionalist approach. Culture and development. Limits to economic analysis

Back

Regional Development (ECN11991M)

Introduction.
1. Regional development policies.
2. Place-based and place-blind public policies.
3. Clusters, learning processes and regional development.
4. Growth, location and regional dinamics.
5. Regional innovation and growth dynamics.
6. Regional networks and knowledge spillovers.
7. Creative cities and territorial based knowledge management.
Conclusions.

Back

Public Economics (ECN11992M)

1. The Role and Size of the Public Sector
1.1. Politico-economic theories of the State

2. Fundamentals of Welfare Economics
2.1. Public goods
2.2. Externalities
2.3. Efficiency and equity
2.4. Public choice

3. Public Expenditures

4. Public Revenues

5. Public Sector Policies
5.1. The public policies

Back

Urban Economics (ECN11993M)

1. Introduction
1.1. Urban economics as a course
1.2. The role of urban centers in the economy
1.3. Economic development and urbanization
2. Urban systems
2.1. The central places theory and the concept of urban hierarchy
2.2. From the concept of urban hierarchy to the urban network
2.3. The concept of utility in the definition of urban systems
2.4. Empirical evidence on the evolution of urban systems
3. Use of urban space
3.1. Location of economic activities
3.2. Economic fundamentals of the center(s)
3.3. The residential location
4. Urban growth and contemporary issues
4.1. Urban growth factors
4.2. Urban environment and sustainability
4.3. Economic and social inequalities in urban space
5. Public policies in urban space
5.1. The physical expansion of the city and the control of urban land
5.2. Tax policy and location choice
5.3. Public services supply
5.4. Social policies and policies on environment
6. Research methods applied to the study of cities

Back

Labour Economics (ECN11994M)

Labour Supply. Labour Demand. Competitive equilibrium and compensating wage differentials. Education and Human Capital. Wage inequality. Labour mobility. Labour market discrimination. Unemployment.

Back

Monetary Economics and Monetary Policy (ECN11910M)

Foundations of monetary theory; Theory of interest rates; Fiscal discipline as the guarantor of monetary stability; Transmission channels of monetary policy; Rules versus discretion in monetary policy; Objectives, indicators and instruments; Monetary policy strategies; The Monetary Policy of the European Union

Back

An Introduction to General Equilibrium Models (ECN11995M)

1. An overview of General equilibrium theory
2. Introduction to general equilibrium models and their elements
3. Simple general equilibrium models
4. General equilibrium models with government
5. General equilibrium models with external sector
6. Other extensions to general equilibrium models
7. Real examples of the application of general equilibrium models

Back

Economic and Financial Modelling (ECN11912M)

1. Microeconometric applications: limited dependent variable models, count data models.

2.Time Series Analysis: ARMA models and auto-regressive vectors; multivariate cointegration; ARCH and GARCH models for volatility in financial data.

Back

Foundations of Economic Analisys (ECN11909M)

1. Introduction
2. Fundamental notions of algebra and topology
3. Equations, inequalities, derivatives and integrals
4. Differential equations and equations for differences
5. Linear Algebra
6. Statistics
7. General and partial equilibria
8. Game theory

Back

Economic Decision Analysis (ECN11987M)

1. DECISION ANALYSIS UNDER A STATIC CONTEXT

1.1 The Certainty Situation
1.1.1. Decision Theory
1.1.2. Economic applications/Specific cases

1.2. The Risk Situation
1.2.1. Decision Theory
1.2.2. Economic applications/Specific cases

1.3. The Uncertainty Situation
1.3.1. Decision Theory
1.3.2. Economic applications/Specific cases

2. DECISION ANALYSIS UNDER A DYNAMIC CONTEXT

2.1. The Discrete Time Situation
2.1.1. Decision Theory
2.1.2. Economic applications/Specific cases

2.2. The Continuous Time Situation
2.2.1. Decision Theory
2.2.2. Economic applications/Specific cases

Back

Research Methodologies (ECN11913M)

1. THE METHODOLOGY OF THE RESEARCH PROCESS: Theoretical Aspects

1.1. Science and the Scientific Method: general aspects
1.2. Brief Analysis of the Evolution of Scientific Method: the particular cases of Economics and of Public Policies and Projects

2. THE METHODOLOGY OF THE RESEARCH PROCESS: Practical Aspects

2.1. Academic Research: objectives, types and general characteristics
2.2. Brief Reflections on the Writing and Graphic Styles
2.3. The Choice of the Theme and Supervisor(s) of the Dissertation: some recommendations
2.4. The Usual Components of a Research Project
2.5. The Operationalisation of the Research Project
2.6. A Proposed Structure for a Master's Dissertation
2.7. The Presentation / Defence of the Dissertation

3. THE METHODOLOGY OF THE RESEARCH PROCESS: Examples of Application