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:Disciplinas Alternativas ***

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
ECN11909M	Foundations of Economic Analisys	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
ECN11913M	Research Methodologies	Economy	6	Semester	156

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
ECN11913M	Research Methodologies	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:

1º semestre

3 ucs obrigatórias num total de 18 ects

2 optativas num total de 12 ects a escolher no quadro nº 4

2º semestre

2 ucs obrigatórias num total de 12 ects

18 ects em ucs optativas a escolher no quadro nº 4 (podendo 6 ECTS ser optativa livre na área científica de economia)

3º e 4º semestre

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

Program Contents

Macroeconomics (ECN11906M)
1 -Demand management policies in a open-economy framework.
2 – Government deficit and public debt stabilization. the Ricardian equivalence debate.
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

Microeconomics (ECN11908M)
MICROECONOMICS SYLLABUS

PART A: INDIVIDUAL CHOICE
1. Consumer Theory
2. Producer Theory

PART B: COLECTIVE CHOICE
3. Theory of Markets
4. Partial Equilibria
5. General Equilibria

PART C. STRATEGIC BEHAVOUR AND COLECTIVE CHOICE
6. Social Choice and Welfare Analysis
7. Game Theory
8. Information Economics
9. Market failures and Externalities

Econometrics (ECN11907M)
I. Topics on Linear Regression: Estimation and Specification Analysis; Endogenous Regressors; Instrumental Variables; Generalized Method of Moments.
II. Discrete and Limited Dependent Variable Models: Discrete Choice Models; Count Data Models; Fractional Regression Models; Tobit Models; Sample Selection Models.
III. Panel Data Models: Fixed and Random Effects Models; Specification Analysis.
IV. Time Series Models: ARMA Processes; Nonstationarity Series; Unit roots; Cointegration; Vector Autoregressive Models; ARCH models.

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

International Trade (ECN11988M)
1. World trade: specialization patterns and recent tendencies.
2. The international trade environment and organizations: GATT and WTO
3. International trade data analysis: common indexes.
4. The economics of international trade: from classical approach to new empirical trade models.
5. External Trade Policy: effects of tariffs and non tariffs barriers.
6. Trade Protection versus Free Trade: Arguments.
7. Strategic Trade Policy: from firm integration to regional integration.
8. Regionalism and multilateralism: main regional trade blocs.
9. Public Policies to improve exports.
10. Basic Instruments for the Export/Import promotion.

Economic Growth (ECN11989M)
I - First Generation Endogenous (R&D) Growth Models
II - Second Generation Endogenous (R&D) Growth Models
III - Third Generation Endogenous (R&D) Growth Models
IV - Fourth Generation Endogenous Growth Models
V - Is the Modern Economy investing sufficiently in R&D? Optimality
of Investments in R&D in 2nd-4th Generation R&D Models
VI - Unified Growth Theories
VII - Open Economy and Economic Growth Models
VIII - Economic Growth Empirics
VIII- Sustainablility and Economic Growth

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

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.

Last update 19/06/2019

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

Urban Economics (ECN11993M)
1. Introduction
1.1. Urban Economics as a course
1.2. The role of urban centers in the Economy
2. The formation of urban systems
2.1. The central places theory and the concept of urban hierarchy
2.2. The concept of the urban hierarchy urban network
2.3. Empirical evidence on the evolution of urban systems
3. The use of urban space
3.1. Economic activities location models
3.2. Economic fundamentals of the center
3.3. The residential location
3.4. The physical expansion of the city and control of urban land
4. The urban economic growth
4.1. Definition
4.2. Growth factors
4.3. Policies
5. Economic development and urbanization
5.1. Urbanization in developing countries
5.2. Cities in the global economy
6. Current problems of urban spaces
6.1. Urban environment and sustainability
6.2. Social inequalities in cities

Labour Economics (ECN11994M)
Labour Supply and Demand Behaviour. Education and Human Capital. Compensating wage differentials. Wage inequality. Labour market discrimination. Contracts and Work incentives. Collective Bargaining. Unemployment.

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

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

Economic and Financial Modelling (ECN11912M)
1. Microeconometric applications: discrete choice models, count data models, limited dependent variable models.
2.Time Series Analysis: ARMA models and auto-regressive vectors; multivariate cointegration; ARCH and GARCH models for volatility in financial data

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

Economic Decision Analysis (ECN11987M)
1. DECISION ANALYSIS UNDER A STATIC CONTEXT
1.1 The Situation of Certainty Situation
1.1.1. Decision Theory
1.1.2. Economic applications / Special cases
1.2. The Risk Situation
1.2.1. Decision Theory
1.2.2. Economic applications / Special cases
1.3. The Uncertainty Situation
1.2.1. Decision Theory
1.2.2. Economic applications / Special cases
2. DECISION ANALYSIS UNDER A DYNAMIC CONTEXT
2.1. The Discrete Time Situation
2.1.1. Decision Theory
2.1.2. Economic applications / Special cases
2.2. The Continuous Time Situation
2.2.1. Decision Theory
2.2.2. Economic applications / Special cases