



Teaching Guide

Teaching Guide				
Identifying Data				2022/23
Subject (*)	Advanced macroeconomics		Code	611532029
Study programme	Máster Universitario en Economía			
Descriptors				
Cycle	Period	Year	Type	Credits
Official Master's Degree	2nd four-month period	First	Optional	3
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Economía			
Coordinador	Currais Nunes, Luis Claudio	E-mail	luis.currais@udc.es	
Lecturers	Currais Nunes, Luis Claudio	E-mail	luis.currais@udc.es	
Web				
General description	O obxectivo deste curso é estudar algúns dos principais modelos da macroeconomía dinámica moderna. Os obxectivos específicos son ensinar os instrumentos de análise económico para aplicalos a cuestións claves do crecemento económico. As cuestións que se analizarán son (i) causas do crecemento sostido da renda percápita dos países; (ii) determinantes das diferencias en renda percápita mantidas entre países; (iii) efectos das políticas gubernamentais en ditos contextos; (iv) estudo dos principais modelos de crecemento económico en horizonte infinito e finito.			

Study programme competences

Code	Study programme competences
A2	CE2 - Conocimiento riguroso de los modelos micro y macroeconómicos y su aplicación precisa a situaciones concretas.
A5	CE5 - Capacidad para defender argumentos económicos con claridad y precisión tanto en el entorno habitual de trabajo, como en reuniones científicas nacionales e internacionales.
A6	CE6 - Plantear con suficiente precisión y rigor un proyecto de investigación en economía.
A9	CE9 - Elaborar informes económicos coyunturales y estudios orientados a analizar y predecir el comportamiento de corto plazo de la economía y sus efectos sobre sectores y mercados específicos.
B6	CG1 - Aplicar los conocimientos de economía a la identificación, previsión y solución de los problemas económicos en general, y en particular los relativos al nivel de especialización, en entornos nuevos o poco conocidos.
B7	CG2 - Capacidad de concebir, diseñar y poner en práctica un proceso sustancial de investigación en el campo de la economía en general, y en particular en sus áreas de especialización, con rigor académico.
B8	CG3 - Capacidad para realizar un análisis crítico, evaluación y síntesis de ideas nuevas y complejas.
C2	CT2 - Capacidad para comunicarse por oral e por escrito en lengua gallega.
C6	CT6 - Capacidad de gestión de la información.
C7	CT7 - Capacidad para comunicarse por oral y por escrito en lengua inglesa.
C8	CT8 - Capacidad para trabajar en un contexto internacional.
C9	CT9 - Destrezas para investigar.

Learning outcomes

Learning outcomes	Study programme competences		
Know the main dynamic macroeconomic models.	AC2	BC6	CC2
	AC5	BC7	CC6
	AC6	BC8	CC8
	AC9		CC9



Solve, calibrate and simulate dynamic macroeconomic models.	AC2 AC6 AC9	BC6 BC7 BC8	CC2 CC6 CC7 CC8 CC9
Having a proactive attitude, the ability to work in a group, the acquisition of responsibilities, as well as the ability to argue and express oneself coherently both in the elaboration of a written text and in the public presentation of the results of a specific study.	AC5 AC6	BC8	CC2 CC6 CC7 CC8 CC9

Contents	
Topic	Sub-topic
1. The Ramsey-Cass-Koopmans model. Dynamic optimization	- The model of producer families - The solution with competitive markets - The dynamics of the economy
2. Overlapping generations models	- Hypothesis of the model - Behavior of households and companies - The dynamics of the economy
3. The AK model	- The model of producer families - The utility function and the maximization problem - The dynamics of the transition
4. The AK model and the fiscal policy	- The model of producer families - The relationship between the size of the state and the growth rate - The economics of the central planner and optimal growth
5. The Romer model	- The model of producer families - The market economy model - The effects of scale and the increasing returns

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A2 A5 A6 A9 B1 B5 B7 C6 C7 C8 C9	10.5	9.5	20
ICT practicals	A2 A5 A6 A9 B6 B7 B8 C7 C8 C9	3	12	15
Supervised projects	A2 A5 A6 A9 B6 B7 C2 C2 C6 C7 C8	0	20	20
Introductory activities	A2 A6 B7 B8 C6	0	1	1
Problem solving	A2 A9 B6 B8	7.5	9	16.5
Events academic / information	A2 A5 A9 B6 B7 C9	1.5	0	1.5
Personalized attention		1	0	1
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Guest lecture / keynote speech	Estará centrada na exposición dos contidos de carácter mais teórico.
ICT practicals	Consistirán na exposición e realización dos contidos prácticos dos diferentes temas utilizando software específico.
Supervised projects	Cada alumno debe realizar un traballo aplicando as técnicas aprendidas no curso.



Introductory activities	Presentación da materia e exposición do necesario para cursala.
Problem solving	Solución de problemas da materia.
Events academic / information	Asistencia OBRIGATORIA a conferencias/seminarios programados para a materia.

Personalized attention	
Methodologies	Description
Supervised projects	The student can contact the lecturers via: - Email. - Learning platform. - Teams - Videoconference.

Assessment			
Methodologies	Competencies	Description	Qualification
Supervised projects	A2 A5 A6 A9 B6 B7 C2 C2 C6 C7 C8	The student has to write a paper on the subject and defend it on a public session.	100

Assessment comments
The 1st and 2nd opportunity and the anticipated opportunity will be evaluated in the same way, as well as the students with partial dedication.

Sources of information	
Basic	- Acemoglu, Daron (2009). Introduction to Modern Economic Growth. MIT Press - Barro, Robert y Sala-i-Marti, Xavier (2004). Economic Growth. MIT Press - Blanchard, Olivier y Stanley Fischer (1989). Lectures on Macroeconomics. MIT Press - Romer, David (2006). Macroeconomía avanzada. McGraw-Hill
Complementary	- Jones, Charles I. (2017). Macroeconomics. W. W. Norton - Jones, Charles I. y Dietrich Vollrath (2013). Introduction to economic growth. W. W. Norton

Recommendations
Subjects that it is recommended to have taken before
Quantitative Methods/611532004
Aggregate Economic Analysis and Growth/611532002
Economic Decisions and Market Analysis/611532001
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments
1.- The delivery of the documentary works carried out in this matter:1.1. It will be requested in virtual format and / or computer support1.2. It will be done through Moodle, in digital format without the need to print them2.- Values of respect and equality will be promoted3. The integration of students who for physical, sensorial, psychic or sociocultural reasons, experience difficulties to an ideal, equal and beneficial access to university life will be facilitated.

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.