



## Teaching Guide

Identifying Data					2020/21
Subject (*)	Macroeconomics: Growth and Dynamics		Code	611G01028	
Study programme	Grao en Economía				
Descriptors					
Cycle	Period	Year	Type	Credits	
Graduate	2nd four-month period	Third	Obligatory	6	
Language	SpanishEnglish				
Teaching method	Face-to-face				
Prerequisites					
Department	Economía				
Coordinador	Estevez Mengotti, Carlos Benigno	E-mail	c.mengotti@udc.es		
Lecturers	Bruna Quintas, Fernando Estevez Mengotti, Carlos Benigno	E-mail	f.bruna@udc.es c.mengotti@udc.es		
Web	dropbox.com				
General description	Survey on models of long run economic growth, and a model of the recent Big Recession: An active and dynamic view of the behavior of the different macroeconomic variables is sought both individually and as a whole. Likewise, different behavioral models of macro variables will be presented, both from a historical point of view and behavioral predictions in the face of any variable mismatch. The current situation in 2020 and its macroeconomic implications will be emphasized.				
Contingency plan	<p>1. Modifications to the contents</p> <ul style="list-style-type: none"> <li>- None</li> </ul> <p>2. Methodologies</p> <p>*Teaching methodologies that are maintained</p> <ul style="list-style-type: none"> <li>- All of them. In-person classes will be replaced by virtual sessions</li> </ul> <p>*Teaching methodologies that are modified</p> <ul style="list-style-type: none"> <li>- Lectures will take place through virtual platforms</li> </ul> <p>3. Mechanisms for personalized attention to students</p> <ul style="list-style-type: none"> <li>- Teams and e-mail.</li> </ul> <p>4. Modifications in the evaluation</p> <ul style="list-style-type: none"> <li>- The criteria will be adapted to the recommendations of the Universidade da Coruña</li> </ul> <p>*Evaluation observations:</p> <ul style="list-style-type: none"> <li>- None</li> </ul> <p>5. Modifications to the bibliography or webgraphy</p> <ul style="list-style-type: none"> <li>- None</li> </ul>				

## Study programme competences / results

Code	Study programme competences / results
A1	CE1- Contribuír á boa xestión da asignación de recursos tanto no ámbito privado como no público.
A2	CE2-Identificar e anticipar problemas económicos relevantes en relación coa asignación de recursos en xeral, tanto no ámbito privado como no público.
A3	CE3-Aportar racionalidade á análise e á descripción de calquera aspecto da realidade económica.
A4	CE4-Avaliar consecuencias e distintas alternativas de acción e seleccionar as mellores, dados os obxectivos.
A5	CE5-Emitir informes de asesoramento sobre situación concretas da economía (internacional, nacional ou rexional) ou de sectores da mesma.



A8	CE8-Entender as institucións económicas como resultado e aplicación de representacións teóricas ou formais acerca de cómo funciona a economía.
A9	CE9-Derivar dos datos información relevante imposible de recoñecer por non profesionais.
A10	CE10-Usar habitualmente a tecnoloxía da información e as comunicación en todo a seu desempeño profesional.
B1	CB1 - Que os estudantes demostren posuir e comprender coñecementos nun área de estudo que parte da base da educación secundaria xeral, e que soe encontrar nun nivel que, aínda que se apoia en libros de texto avanzados, inclúe tamén algúns aspectos que implican coñecementos procedentes da vangarda do seu campo de estudo.
B2	CB2 - Que os estudantes saiban aplicar os seus coñecementos ó seu traballo ou vocación dun xeito profesional e posúan as competencias que se demostran por medio da elaboración e defensa de argumentos e a resolución de problemas dentro da su entorna de traballo.
B3	CB3 - Que os estudantes teñan a capacidade de reunir e interpretar datos relevantes (normalmente dentro da su área de estudo) para emitir xuízos que inclúan unha reflexión sobre temas relevantes de índole social, científica ou ética
B4	CB4 - Que os estudantes poidan transmitir información, ideas, problemas e solucións a un público tanto especializado como non especializado
B5	CB5 - Que os estudantes desenvolvesen aquelas habilidades de aprendizaxe necesarias para emprender estudos posteriores cun alto grao de autonomía
B6	CG1- Que os estudantes formados se convertan en profesionais capaces de analizar, reflexionar e intervir sobre os diferentes elementos que constitúen un sistema económico
B7	CG2 - Que os estudantes coñezan o funcionamento e as consecuencias dos sistemas económicos, as distintas alternativas de asignación de recursos, acumulación de riqueza e distribución da renda e estean en condicións de contribuír ao seu bo funcionamento e mellora
B8	CG3 -Que os estudantes sexan capaces de identificar e anticipar os problemas económicos relevantes, identificar alternativas de resolución, seleccionar as máis axeitadas e avaliar os resultados aos que conduce.
B9	CG4 -Que os estudantes respecten os dereitos fundamentais e de igualdade de oportunidades, non discriminación e accesibilidade universal das persoas con minusvalidez.
C1	CT1-Expresarse correctamente, tanto de forma oral coma escrita, nas linguas oficiais da comunidade autónoma.
C2	Dominar a expresión e a comprensión de forma oral e escrita dun idioma estranxeiro.
C3	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.
C4	CT2-Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
C5	CT3-Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
C6	CT4-Valorar criticamente o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
C7	CT5-Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
C8	CT6-Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioeconómico e cultural da sociedade.

Learning outcomes

Learning outcomes	Study programme competences / results		
	A1	B2	C1
Knowing the tools to study the long run trends of national income and its world distribution. Understanding the main theoretical models allowing us to analyse the sources of sustained economic growth. Knowing to compare the predictions of those models to the empirical results using the available data. Knowing to use international statistics and interpret economic graphs.	A2	B3	C4
	A3	B6	C7
	A5	B7	
	A8		
	A10		



- Contribute to the integral formation of the student, complementing theoretical and practical learning.	A2	B1	C2
- Facilitate the knowledge of the work methodology appropriate to the professional reality.	A4	B5	
- Encourage the development of technical, methodological, personal and participatory skills.	A9	B8	
- Obtain a practical experience that facilitates integration into the job market.		B9	
- Favor the values of innovation, creativity and entrepreneurship.			
In general, knowing the interrelationships between the macroeconomic variables and how they derive implications in the macroeconomic picture of the countries. Evaluate both production and consumption or financial expectations. In particular, develop the ability to analyze macroeconomic data sources and their application to theory-based forecasting models.	A1 A3	B4	C3 C5
Valuing, in a critical sense, knowledge of information technology to solve the problems you face			C6 C8

Contents	
Topic	Sub-topic
1. Introduction: Models and variables in macroeconomics	1. Introduction: Models and variables in macroeconomics
2. National Income and the economic growth	2. National Income and the economic growth
3. Saving, capital accumulation and production	2.1 Long term growth
4. Production model and the distribution of National Income. The neoclassical model of economic growth	2.2 Short and middium term growth
5. Technological progress and growth	3. Saving, capital accumulation and production
6. Technological progress wages and unemployment	3.1 Saving, capital accumulation and production in long term
7. Economics of ideas. Difussion and other surces of growth	3.2 Relationship betewen production and capital accumulation. Saving rate
	3.3 Saving, capital accumulation and production in short term
	4. Production model and the distribution of National Income. The neoclassical model of economic growth
	5. Technological progress and growth
	5.1 The rule of technological progress in economical growth
	5.2 Analysis of different aspects of the techological progress: research and developement
	6. Technological progress wages and unemployment
	6.1 Analysis of the relationship between increase of productivity, production and unemployment in the short term
	6.2 Analysis of the relationship between incrising productivity and the natural rate of unemployment
	6.3 Technological progress and unemployment
	6.4 Distributive effects of technological progress
	7. Economics of ideas. Difussion and other surces of growth

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A2 A3 A4 A5 B2 B3 C3 C4 C5	17	34	51
Case study	A1 A8 A9 A10 C5 C1	10	10	20
Seminar	B4 B6 B7 C2 C3	4	0	4
Problem solving	B8 C6 C7	5	11	16
Directed discussion	A4 A2 C2	10	14	24
Objective test	A2 A3 A4 A5 B3 B4 B8	2	18	20



Personalized attention		15	0	15
(*)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	Con referencia directa entre la teoría y la realidad macroeconomica actual y reciente
Case study	resolución de casos practicos de variables macroeconómicas de diversos paises y períodos
Seminar	Permanente durante el curso el estudio y propuesta de resultados de una situación real. acudiendo a las fuentes fiables y sala de informatica.
Problem solving	problemas de economías analizados en el pasado con arboles de decisión y resultados
Directed discussion	aportación de los alumnos a análisis macro
Objective test	tipo test y/o preguntas a desarrollar

### Personalized attention

Methodologies	Description
Directed discussion Case study Seminar Guest lecture / keynote speech Objective test Problem solving	Please, make an appointment by e-mail

### Assessment

Methodologies	Competencies / Results	Description	Qualification
Directed discussion	A4 A2 C2	solutions proposed by the students in the interactive sessions	0
Case study	A1 A8 A9 A10 C5 C1	the answers offered to the cases raised will be valued	0
Seminar	B4 B6 B7 C2 C3	active participation is required	0
Guest lecture / keynote speech	A2 A3 A4 A5 B2 B3 C3 C4 C5	active presence in the guest lecture is required	0
Objective test	A2 A3 A4 A5 B3 B4 B8	During the semester, written tests can be carried out that will be computed in the calculation of the grade	40
Problem solving	B8 C6 C7	Continuous evaluation activities will be carried out on the subject	60

### Assessment comments

Check the instructions of the professor for the assesment of the group in English. The final qualification final will consider objective tests, research papers and case studies. It may be necessary to obtain a minium mark in the final exam in order to pass the subject

The weights of the continuous assessment and the final exam may change for the second opportunity, in July and for the advance opportunity.

Erasmus students should consider that this subject is equivalent to Macroeconomics III in the degree of Economics. It will be assumed some previous knowledge in Micro and Macreconomics, Mathematics and tools of economic modelling and data analysis.

Those students who have official permit to follow the course without attending the clases will have to write an essay.

Students who did not show up: Corresponds to the student, when he/she only participates in evaluation activities that have a weighting of less than 20% of the final mark, regardless of the mark achieved.

### Sources of information



<b>Basic</b>	<ul style="list-style-type: none"> <li>- Acemoglu, D. &amp; J. A. Robinson (2012). Why nations fail: the origins of power, prosperity and poverty. New York: Crown Publishers</li> <li>- Acemoglu, D. &amp; J. A. Robinson (2012). Por qué fracasan los países : los orígenes del poder, la prosperidad y la pobreza. Barcelona: Deusto</li> <li>- Blanchard, Olivier (2017). Macroeconomics. Boston: Pearson</li> <li>- Blanchard, Olivier (2017). Macroeconomía. Madrid: Pearson</li> <li>- Easterly, William (2001). The elusive quest for growth. Economists' adventures and misadventures in the tropics. Cambridge, Massachusetts: MIT Press</li> <li>- Easterly, William (2003). En busca del crecimiento. Andanzas y tribulaciones de los economistas del desarrollo. Barcelona: Antoni Bosch</li> <li>- Jones, Charles I. (2013). Introduction to economic growth. New York: W.W. Norton</li> <li>- Jones, Charles I. (2000 ). Introducción al crecimiento económico. México: Pearson Educación</li> <li>- Jones, Charles I. (2017). Macroeconomics. New York; London: W. W. Norton</li> <li>- Jones, Charles I. (2009). Macroeconomía. Barcelona: Antoni Bosch</li> <li>- Mankiw, N. Gregory (2016). Macroeconomics. New York: Worth Publishers</li> <li>- Mankiw, N. Gregory (2007). Macroeconomía. Barcelona: Antoni Bosch</li> </ul> <p>Algunos de estos libros están disponibles en la biblioteca como libros electrónicos o en ediciones anteriores / Some of these books are available in the library as electronic books or in previous editions</p>
<b>Complementary</b>	

**Recommendations**

**Subjects that it is recommended to have taken before**

- Principles of Microeconomics/611G01001
- Principles of Macroeconomics/611G01005
- The World Economy/611G01011
- Microeconomics and Markets/611G01012
- Macroeconomics/611G01017
- Statistical Methods and Introduction to Econometrics/611G01019

**Subjects that are recommended to be taken simultaneously**

**Subjects that continue the syllabus**

**Other comments**

(\*)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.