



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	<ol style="list-style-type: none"><li>1. Modifications to the contents<ul style="list-style-type: none"><li>- None</li></ul></li> <li>2. Methodologies<ul style="list-style-type: none"><li>*Teaching methodologies that are maintained<ul style="list-style-type: none"><li>- All of them. In-person classes will be replaced by virtual sessions</li></ul></li><li>*Teaching methodologies that are modified<ul style="list-style-type: none"><li>- Lectures will take place through virtual platforms</li></ul></li></ul></li> <li>3. Mechanisms for personalized attention to students<ul style="list-style-type: none"><li>- Teams and e-mail.</li></ul></li> <li>4. Modifications in the evaluation<ul style="list-style-type: none"><li>- The criteria will be adapted to the recommendations of the Universidade da Coruña</li></ul></li> <li>*Evaluation observations:<ul style="list-style-type: none"><li>- None</li></ul></li> <li>5. Modifications to the bibliography or webgraphy<ul style="list-style-type: none"><li>- None</li></ul></li></ol>			

Study programme competences	
Code	Study programme competences
A1	CE1- Contribuir 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 estudiantes demostren posuir e comprender coñecementos nun área de estudio que parte da base da educación secundaria xeral, e que soe encontrar nun nivel que, ainda que se apoia en libros de texto avanzados, inclue tamén algúns aspectos que implican coñecementos procedentes da vanguarda do seu campo de estudio.
B2	CB2 - Que os estudiantes saibam 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 estudiantes teñan a capacidade de reunir e interpretar datos relevantes (normalmente dentro da su área de estudio) para emitir xuízos que inclúan unha reflexión sobre temas relevantes de índole social, científica ou ética
B4	CB4 - Que os estudiantes poidan transmitir información, ideas, problemas e solucións a un público tanto especializado como non especializado
B5	CB5 - Que os estudiantes desenvolvesen aquelas habilidades de aprendizaxe necesarias para emprender estudos posteriores cun alto grao de autonomía
B6	CG1- Que os estudiantes formados se convertan en profesionais capaces de analizar, reflexionar e intervir sobre os diferentes elementos que constitúen un sistema económico
B7	CG2 - Que os estudiantes coñezan o funcionamento e as consecuencias dos sistemas económicos, as distintas alternativas de asignación de recursos, acumulación de riqueza e distribución da renda e esteán en condicións de contribuír ao seu bo funcionamento e mellora
B8	CG3 -Que os estudiantes sexan capaces de identificar e anticipar os problemas económicos relevantes, identificar alternativas de resolución, seleccionar as más axeitadas e avaliar os resultados aos que conduce.
B9	CG4 -Que os estudiantes 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 enfrentarse.
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	
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.		A1 A2 A3 A5 A8 A10	C1 C4 C7  B2 B3 B6 B7
- Contribute to the integral formation of the student, complementing theoretical and practical learning. - Facilitate the knowledge of the work methodology appropriate to the professional reality. - Encourage the development of technical, methodological, personal and participatory skills. - Obtain a practical experience that facilitates integration into the job market. - Favor the values of innovation, creativity and entrepreneurship.		A2 A4 A9 B9	B1 B5 B8 C2



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 2. National Income and the economic growth 3. Saving, capital accumulation and production 4. Production model and the distribution of National Income. The neoclassical model of economic growth 5. Technological progress and growth 6. Technological progress wages and unemployment 7. Economics of ideas. Diffusion and other sources of growth	1. Introduction: Models and variables in macroeconomics 2. National Income and the economic growth 2.1 Long term growth 2.2 Short and medium term growth 3. Saving, capital accumulation and production 3.1 Saving, capital accumulation and production in long term 3.2 Relationship between 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 role of technological progress in economic growth 5.2 Analysis of different aspects of the technological progress: research and development 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 increasing productivity and the natural rate of unemployment 6.3 Technological progress and unemployment 6.4 Distributive effects of technological progress 7. Economics of ideas. Diffusion and other sources of growth

Planning				
Methodologies / tests	Competencies	Ordinary class hours	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 países 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	Please, make an appointment by e-mail
Case study	
Seminar	
Guest lecture / keynote speech	
Objective test	
Problem solving	

Assessment			
Methodologies	Competencies	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 assessment of the group in English. The final qualification will consider objective tests, research papers and case studies. It may be necessary to obtain a minimum 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 Macroeconomics, Mathematics and tools of economic modelling and data analysis.
Those students who have official permit to follow the course without attending the classes 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



Basic	<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>
Complementary	

#### 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.