



DESCRIPCIÓN DE LA ASIGNATURA

Grado/Máster en:	Graduado/a en Economía + Graduado/a en Administración y Dirección de Empresas por la Universidad de Málaga
Centro:	Málaga
Asignatura:	Facultad de Ciencias Económicas y Empresariales
Código:	Macroeconomía Avanzada
Tipo:	309
	Formación básica
Materia:	Macroeconomía Avanzada
Módulo:	MATERIA OBLIGATORIA
Experimentalidad:	
Idioma en el que se imparte:	Inglés
Curso:	3
Semestre:	2
Nº Créditos	6
Nº Horas de dedicación del estudiante:	150
Nº Horas presenciales:	45
Tamaño del Grupo Grande:	
Tamaño del Grupo Reducido:	
Página web de la asignatura:	

EQUIPO DOCENTE

Departamento: TEORÍA E HISTORIA ECONÓMICA
Área: FUNDAMENTOS DEL ANÁLISIS ECONÓMICO

Nombre y Apellidos	Mail	Teléfono Laboral	Despacho	Horario Tutorías
Coordinador/a: JOSE LUIS TORRES CHACON	jtorres@uma.es	952131247	3406 - FAC. DE ECONÓMICAS	Todo el curso: Lunes 09:30 - 15:30

RECOMENDACIONES Y ORIENTACIONES

This is a fourth-year graduate class in macroeconomics. This class is held Monday, Wednesday, Thursday and Friday in the afternoon. Second-year graduate Macroeconomics and third-year graduate Advanced Macroeconomics I is an optional but strongly recommended requisite. Basic analytical tools in macroeconomic analysis and medium level math (derivatives, differential equations, matrix, dynamic optimization) is highly recommended.

CONTEXTO

The course is divided in three parts. The first is an introduction to dynamic macroeconomics using very simple (not microfounded) models. The idea of this first part of the course is to learn about the use of differential equations system, its resolution and its graphical representation through the Phase Diagram. The second part of the course focus on the description of the standard Dynamic General Equilibrium model. We study the intertemporal problem for consumers, for firms and the role of the government. The last part of the courses studies some aspect of economic growth, starting with the basic Solow-Swan model, the Ramsey optimal model and finishing with the introduction of the AK technology.

COMPETENCIAS

CONTENIDOS DE LA ASIGNATURA

Dynamic models

Topic 1: Introduction to dynamic macroeconomics

- 1.1. Macroeconomics modelling
- 1.2. Differential equations and dynamic systems
- 1.3. An example of dynamic system

Topic 2: Basic dynamic models

- 2.1. Introduction
- 2.2. The simplest dynamic model ever seen
- 2.3. The economy in real variables
- 2.4. Monetary policy
- 2.5. Exchange rate overshooting
- 2.6. Anticipated shocks
- 2.7. Monetary policy and competitiveness

Dynamic General Equilibrium

Topic 3: Households



- 3.1. Introduction
- 3.2. Consumption decision in discrete time
- 3.3. Consumption decision in continuous time
- 3.4. Consumption-leisure decision
- 3.5. Extensions

Topic 4: The firms and the investment decision

- 4.1. Introduction
- 4.2. The representative firm
- 4.3. Investment adjustment costs
- 4.4. The Tobin Q.

Topic 5: The government

- 5.1. Introduction
- 5.2. Taxes
- 5.3. Public expenditure
- 5.4. The Ricardian equivalence
- 5.5. Social security systems

Topic 6: The dynamic general equilibrium model

- 6.1. Introduction
- 6.2. Households
- 6.3. Firms
- 6.4. Equilibrium of the model
- 6.5. The model with government
- 6.6. Extensions

Economic growth

Topic 7: Economic growth: Basic aspects

- 7.1. Introduction
- 7.2. The Solow-Swan model
- 7.3. Growth and convergence
- 7.4. Exogenous technical progress
- 7.5. Growth accounting

Topic 8: The Ramsey optimal growth model

- 8.1. Introduction
- 8.2. Households
- 8.3. Firms
- 8.4. Equilibrium

Topic 9: The AK technology

- 9.1. AK technology and growth
- 9.2. Alternatives AK technologies

ACTIVIDADES FORMATIVAS

Actividades presenciales

Actividades expositivas

Lección magistral



Actividades presenciales

Actividades prácticas en aula docente

Resolución de problemas

ACTIVIDADES DE EVALUACIÓN

RESULTADOS DE APRENDIZAJE / CRITERIOS DE EVALUACIÓN

PROCEDIMIENTO DE EVALUACIÓN

60% Final exam

40% Problem sets (Five)

BIBLIOGRAFÍA Y OTROS RECURSOS

Básica

Lectures notes are posted in my webpage. You will find three documents:

AMA: Advanced Macroeconomics Notes

EMA: Advanced Macroeconomics Solved Exercises

MAC: Computational Advanced Macroeconomics

Slides will be also posted in the webpage prior to class. Additionally, students are encouraged to use the David Romer's book "Advanced Macroeconomics", MacGraw-Hill.

DISTRIBUCIÓN DEL TRABAJO DEL ESTUDIANTE

ACTIVIDAD FORMATIVA PRESENCIAL

Descripción	Horas	Grupo grande	Grupos reducidos
Lección magistral	36	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Resolución de problemas	9	<input type="checkbox"/>	<input checked="" type="checkbox"/>

TOTAL HORAS ACTIVIDAD FORMATIVA PRESENCIAL 45

TOTAL HORAS ACTIVIDAD FORMATIVA NO PRESENCIAL 90

TOTAL HORAS ACTIVIDAD EVALUACIÓN 15

TOTAL HORAS DE TRABAJO DEL ESTUDIANTE 150

