



COURSE UNIT (MODULE) DESCRIPTION

Course unit (module) title	Code
Applied Macroeconomics	

Academic staff	Core academic unit(s)
Coordinator: Nijolė Valinskytė Other(s): Dr Marius Jurgilas, Paulius Michalaukas	Faculty of Economics and Business Administration

Study cycle	Type of the course unit
First (Bachelor's)	Compulsory

Mode of delivery	Semester or period when it is delivered	Language of instruction
Face-to-face	Semester 5	English

Requisites	
Prerequisites: Mathematical Methods, Statistical Theory, Econometric Theory and Practice, Economic Principles II, Economic Theory II	Co-requisites (if relevant): -

Number of ECTS credits allocated	Student's workload (total)	Contact hours	Individual work
5	130	36	94

Purpose of the course unit		
<p>This course aims to present and analyze contemporary problems and policy issues in the macro economy. It will build on the foundations laid in the first year's principles course and it will also develop more fully the theoretical and analytical approaches presented in the second year's economic theory course.</p> <p>This course provides (i) an introduction to some econometric methods which are broadly used in empirical macroeconomics, (ii) an introduction to macroeconomic models and related concepts that are relevant for analyzing macroeconomic policies.</p>		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
1.1. Have acquired knowledge in macroeconometric analysis and is able to apply the methods discussed in classes to treat macroeconomic data.	Lectures, tutorials with empirical content through illustrations in EViews, R or STATA.	Written exam (50%) Four assignments (40%) In class participation (10%)
3.2; 4.2 Use and interpret mathematical models describing macroeconomic relations and present them in class.	Tutorials and assignments.	
2.1; 3.1 Critically evaluate macroeconomic policy, appreciate importance and limitations of macroeconomic theory to inform policy choices.	Lectures, tutorials, discussions.	
Contact / Individual work: time and assignments		

Content	Lectures	Tutorials	Seminars	Workshops	Laboratory work	Internship	Contact hours, total	Individual work	Tasks for individual work
	Forecasting in Macroeconomics (by <i>Paulius Michalauskas</i>)	6						6	
Fiscal policy and fiscal multipliers (by <i>Dr Marius Jurgilas</i>)	6						6	18	Main readings: Romer Ch. 12 Romer and Romer (2010) Assignment 2
Optimal monetary policy, the dynamic inconsistency of low-inflation monetary policy, empirical applications (by <i>Dr Marius Jurgilas</i>)	6						6	18	Main readings: Romer Ch. 11 and specified research articles Assignment 3
Central Bank Digital Currency (by <i>Dr Marius Jurgilas</i>)	6						6	12	Main readings: Brunnermeier and Niepelt (2019), Niepelt (2020), Walsh, Ch.3 (No assignment)
Basic mechanism of financial crises, the role of housing (by <i>Nijolė Valinskytė</i>)	6						6	12	Main readings: Carlin and Soskice Ch. 3 and 6, Mian and Sufi (2009), Adelino et al (2016)
Overview of macroprudential policies, case studies and impact evaluation (by <i>Nijolė Valinskytė</i>)	4	2					6	18	Reading specified research articles Assignment 4
Total	34	2					36	94	

Assessment strategy	Weight %	Deadline	Assessment criteria
Written exam (180 minutes)	50	End of autumn semester	The final exam will consist of both longer open questions in which students have to show their analytical capabilities and of shorter questions simply testing students' knowledge. The final exam will test the material from the whole course. One question will be in the topic of Stroinovskis lectures.

Four assignments	40	Throughout the semester	Students will receive four homework assignments asking them analytical questions about the material covered in class and questions asking them to connect the studied material to the real world.
In class participation	10	In class	Active participation in class, contributing to the discussions, providing feedback and additional information based on the assigned reading.

Author (-s)	Publishing year	Title	Issue no. or volume	Publishing house or web link
Required reading				
Slides as well as online resources will be made available to all students.				
Francis X. Diebold	2017	Forecasting in Economics, Business, Finance and Beyond	Edition 2017	
Romer, D.	2012	Advanced Macroeconomics	Fourth Edition	McGraw-Hill
Romer, C. D.; Romer, D. H.	2010	The Macroeconomic Effects of Tax Changes: Estimates Based on a New Measure of Fiscal Shocks	American Economic Review, 100, 763-801	
Brunnermeier, M. and Niepelt, D.	2019	On the equivalence of private and public money	Journal of Monetary Economics, 106, 27-41	
Niepelt, D.	2020	Reserves for All? Central Bank Digital Currency, Deposits, and Their (Non)-Equivalence	International Journal of Central Banking, 62, 211-238	
Walsh, C.	2010	Monetary Theory and Policy	Third Edition	MIT Press
Carlin, W. and D. Soskice	2014	Macroeconomics: Imperfections, Institutions, Instability and the Financial System	First Edition	Oxford University Press
Hanson, S. G., Kashyap, A. K., and Stein, J. C.	2011	A macroprudential approach to financial regulation	Journal of Economic Perspectives, 25 (1), 3-28	
Mian, A.; Sufi, A.	2009	The consequences of mortgage credit expansion: evidence from the US mortgage default crisis	Quarterly Journal of Economics, 124(4):1449-96	
Adelino, M., Schoar, A., & Severino, F.	2016	Loan originations and defaults in the mortgage crisis: The role of the middle class	Review of Financial Studies, 29 (7), 1635-1670	