COURSE UNIT (MODULE) DESCRIPTION

Course unit (module) title	Code
MACROECONOMICS	

Academic staff	Core academic unit(s)
Coordinating: Assoc. Prof. Dr Ilona Kiaušienė **Other:**	Vilnius University Kaunas Faculty Institute of Social Sciences and Applied Informatics Muitinės str. 8, LT-44280 Kaunas

Study cycle	Type of the course unit
First cycle	Compulsory

Mode of delivery	Semester or period when it is delivered	Language of instruction
Face to face	2nd semester	English

Requisites	
Prerequisites: Microeconomics, Management	**Co-requisites (if relevant):** –

Number of ECTS credits allocated	Student's workload (total)	Contact hours	Individual work
10	260	100	160

Purpose of the course unit
To provide knowledge about the macroeconomic environment and processes and to develop the ability to research, analyze, and critically evaluate macroeconomic phenomena and indicators, preparing conclusions and proposals based on the analysis.

Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
Will be able to plan the learning process and make decisions independently, realizing responsibility for the impact of their activities and their results on society.	Active learning methods (situation analysis, task completion), research methods (information search, analysis and synthesis, problem solving).	Assessment of midterms and tasks.
Will be able to work in a team and critically apply macroeconomic knowledge, identifying economic problems and providing alternatives for their solution.	Active learning methods (group discussion, task completion), research methods (information search, analysis and synthesis, problem solving).	Assessment of midterms and tasks.
Will know and understand the categories, methods, and principles of the functioning of the market economy of macroeconomics, and will apply them when making personal and business decisions.	Lecture, active learning methods (situation analysis, group discussion, task completion), research methods (information search, analysis and synthesis, problem solving).	Exams, midterms, and tasks.
Will be able to understand and critically evaluate macroeconomic processes, seeing the perspectives of managing these processes.	Lecture, active learning methods (situation analysis, group discussion, task completion), research methods (information search, analysis and synthesis, problem solving).	Exams, midterms, and tasks.

Will be able to analyze and evaluate macroeconomic indicators, explaining their interdependence.	Lecture, active learning methods (group discussion, task completion), research methods (information search, analysis and synthesis, problem solving).	Exams, midterms, and tasks.
Will be able to find, process, interpret data, and apply research results to develop models that address economic problems.	Lecture, active learning methods (group discussion, task completion), research methods (information search, analysis and synthesis, problem solving).	Exams, midterms, and tasks.
Will be able to forecast economic phenomena and market changes, applying various quantitative and qualitative methods.	Active learning methods (group discussion, task completion), research methods (information search, analysis and synthesis, problem solving).	Assessment of midterms and tasks.

Content	Contact hours							Individual work: time and assignments	
	Lectures	Tutorials	Seminars	Workshops	Laboratory work	Internship	Contact hours, total	Individual work	Tasks for individual work
1. **Introduction to the subject:** purpose of the course, learning outcomes of the course, study and assessment methods, assessment strategy, assessment periods and criteria, and literature.	2						2	2	Searching for information.
2. **Macroeconomics and its main problems:** the object of macroeconomics, indicators measuring a country's welfare, the economic system and its objectives, approaches to macroeconomic problems, and the economic role of the state.	5		2				7	13	Searching for information, reading literature (see points 1, 2, 3, 4, 6, 7, 9 in the list of literature), analyzing situations, and completing tasks.
3. **National product and income:** national accounting system, gross domestic product (GDP) and its calculation methods, other national accounting indicators, nominal and real GDP, and GDP and national welfare.	6		4				10	12	Searching for information, reading literature (see points 1, 2, 4, 5, 6, 7, 9, 12 in the list of literature), analyzing situations, and completing tasks.
4. **Aggregate demand and aggregate supply:** aggregate demand and its curve, aggregate supply and its curve, equilibrium between aggregate demand and aggregate supply, interaction between potential and equilibrium production levels.	6		3				9	12	Searching for information, reading literature (see points 1, 2, 3, 9, 12 in the list of literature), analyzing situations, and completing tasks.
5. **Consumption, savings, investments:** J. M. Keynes's consumption theory, I. Fisher's intertemporal choice theory, life cycle hypothesis, Friedman's permanent income theory, and neoclassical and Keynesian investment models.	6		3				9	11	Searching for information, reading literature (see points 1, 2, 5, 7, 8 in the list of literature), analyzing situations, and completing tasks.
6. **Unemployment:** unemployment and its measurement, types of unemployment and	6		2				8	12	Searching for information, reading

Topic									Description
full employment, labour force, factors of variation of the natural rate of unemployment, causes of unemployment, costs of unemployment, employment policy.									literature (see points 1, 2, 4, 5, 9, 12 in the list of literature), analyzing situations, and completing tasks.
7. **Public sector. Fiscal policy:** state budget revenues and expenditures, budget deficit and state debt, business cycles, fiscal policy objectives, application of fiscal policy, and economic nature of taxation.	6		4				**10**	**12**	Information search, reading literature (see items 1, 2, 3, 5, 9, 12 in the literature list), analyzing situations, and completing tasks.
8. **Money and banking:** emergence of money, functions of money and their types, money supply, demand and money market, banking system, money creation in the banking system, deposit multiplication.	6		4				**10**	**12**	Information search, reading literature (see items 1, 2, 3, 5, 6, 8, 10, 11 in the literature list), analyzing situations, and completing tasks.
9. **Money supply and monetary policy:** money supply model, monetary policy, monetary policy instruments, monetary policy objectives, gold standard.	5		3				**8**	**12**	Information search, reading literature (see items 1, 2, 4, 7, 8, 12 in the literature list), analyzing situations, and completing tasks.
10. **Application of monetary policy:** money and price level in the AD-AS model, quantity theory of money, comparison of the main statements of Keynesianism and monetarism, IS-LM model.	4		2				**6**	**10**	Information search, reading literature (see items 1, 2, 3, 6, 7, 9 in the literature list), analyzing situations, and completing tasks.
11. **Inflation problems:** essence and types of inflation, causes of inflation, effects of inflation, interaction between inflation and unemployment rate, Phillips curve, price of inflation, ways to combat inflation.	6		3				**9**	**12**	Information search, reading literature (see items 1, 2, 4, 5, 8, 12 in the literature list), analyzing situations, and completing tasks.
12. **Economic growth:** importance of economic growth, factors of economic growth, theories of economic growth, and economic growth policy.	4		2				**6**	**10**	Information search, reading literature (see items 1, 2, 4, 5, 7, 9, 12 in the literature list), analyzing situations, and completing tasks.
Preparation for the midterm exam, midterm exam	2						**2**	**15**	Independent learning, literature studies. Preparation for and taking the midterm exam.
Consultation		2					**2**		
Preparation for the exam, exam		2					**2**	**15**	Independent learning, literature studies. Preparation for and taking the exam.
Total	**64**	**4**	**32**				**100**	**160**	

Assessment strategy	Weight %	Deadline	Assessment criteria
Completion of tasks (case analysis, analysis of the situation, problem solving task), group work, participation in discussion	20 %	During the semester	Individual/group assignments (practical assignments and tasks). Assessment criteria: **10 points.** Questions answered comprehensively, summarized knowledge demonstrated, insights from theoretical literature used, ability to evaluate critically demonstrated, and tasks completed correctly. **9 points.** The essence of the questions was revealed, summarized knowledge was demonstrated, reasons were explained, and tasks were completed correctly. **8 points.** Demonstrated coherent knowledge and understanding: essential parts are linked and integrated into a whole, tasks are completed with minor errors. **7 points.** Multi-structured knowledge demonstrated: focus on several important aspects, but not all of them are properly linked, and tasks are completed with errors. **6 points.** Demonstrated multi-structured knowledge: focused on several important aspects, but they are not linked together, and tasks are completed with errors. **5 points.** Demonstrated single-structured knowledge: answers focused on one aspect, answers based on listing facts, and tasks are completed with errors. **4–0 points.** Minimum requirements not met, inappropriate or incorrect facts used, incorrect answers or no answers to questions, tasks not completed. The number of points scored by the student is multiplied by 20%.
Midterm 1/2	15 %	Week 7 to 8	The assessment consists of 5–10 questions (closed and open questions of varying difficulty, ranging from comprehension to assessment of skills) and/or 3–5 tasks (practical tasks and/or other tasks); the assessment score is indicated for each task. Assessment is as follows: **10 points.** Excellent knowledge and skills. Assessment level. 95–100% correct answers. **9 points.** Very good knowledge and skills, there may be minor mistakes. Level of synthesis. 85–94% correct answers. **8 points.** Average knowledge and skills, there are mistakes. Level of analysis. 75–84% correct answers. **7 points.** Knowledge and skills are below average, there are (substantial) mistakes. Level of knowledge application. 65–74% correct answers. **6 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of knowledge application. 55–64% correct answers. **5 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of descriptions. 45–54% correct answers. **4–0 points.** Minimum requirements not met. Less than 44% correct answers. The number of points scored by the student is multiplied by 15 percent.
Midterm exam	25 %	Week 9 to 10	The assessment consists of a closed test (15–20 questions of varying difficulty, ranging from comprehension to assessment skills) and/or open questions (2–4, with a score indicated for each question). The assessment is as follows: **10 points.** Excellent knowledge and skills. Assessment level. 95–100% correct answers. **9 points.** Very good knowledge and skills, there may be minor mistakes. Level of synthesis. 85–94% correct answers. **8 points.** Average knowledge and skills, there are mistakes. Level of analysis. 75–84% correct answers.

			7 points. Knowledge and skills are below average, there are (substantial) mistakes. Level of knowledge application. 65–74% correct answers. **6 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of knowledge application. 55–64% correct answers. **5 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of descriptions. 45–54% correct answers. **4–0 points.** Minimum requirements not met. Less than 44% correct answers.
Midterm 2/2	15 %	Week 15 to 16	The assessment consists of 5–10 questions (closed and open questions of varying difficulty, ranging from comprehension to assessment of skills) and/or 3–5 tasks (practical tasks and/or other tasks); the assessment score is indicated for each task. Assessment is as follows: **10 points.** Excellent knowledge and skills. Assessment level. 95–100% correct answers. **9 points.** Very good knowledge and skills, there may be minor mistakes. Level of synthesis. 85–94% correct answers. **8 points.** Average knowledge and skills, there are mistakes. Level of analysis. 75–84% correct answers. **7 points.** Knowledge and skills are below average, there are (substantial) mistakes. Level of knowledge application. 65–74% correct answers. **6 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of knowledge application. 55–64% correct answers. **5 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of descriptions. 45–54% correct answers. **4–0 points.** Minimum requirements not met. Less than 44% correct answers. The number of points scored by the student is multiplied by 15 percent.
Exam	25 %	Exam date	The assessment consists of a closed test (15–20 questions of varying difficulty, ranging from comprehension to assessment skills) and/or open questions (2–4, with a score indicated for each question). The assessment is as follows: **10 points.** Excellent knowledge and skills. Assessment level. 95–100% correct answers. **9 points.** Very good knowledge and skills, there may be minor mistakes. Level of synthesis. 85–94% correct answers. **8 points.** Average knowledge and skills, there are mistakes. Level of analysis. 75–84% correct answers. **7 points.** Knowledge and skills are below average, there are (substantial) mistakes. Level of knowledge application. 65–74% correct answers. **6 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of knowledge application. 55–64% correct answers. **5 points.** Knowledge and skills still meet the minimum requirements. Lots of mistakes. Level of descriptions. 45–54% correct answers. **4–0 points.** Minimum requirements not met. Less than 44% correct answers.

A student's knowledge and skills are assessed during the exam session only when he/she has fulfilled the requirements for the midterm assessments and completed all tasks during the semester. Failure to complete the midterm assessment(s), midterm exam, or complete tasks within the specified time will result in a 2-point reduction in their grade.

The student's knowledge and skills are assessed with grades from 1 to 10. The course has been passed if:
- The results of all tasks, midterms, and midterm exam are at least 5;

- The examination grade is at least 5.

The results of the midterm exam are published in the MOODLE (https://emokymai.vu.lt/).

The final grade for the subject is published no later than 5 days after the examination (MOODLE, https://emokymai.vu.lt/).

The use of AI generative models is prohibited in the learning process when performing tasks. AI generative models cannot be used for the midterm and final exams.

For the external examination, the following formula is applied:
Tasks – 20%, submitted no later than 2 weeks before the agreed exam date.
Exam – 80%, taken on the agreed date.

Author (-s)	Publishing year	Title	Issue of a periodical or volume of a publication	Publishing house or web link
Required reading				
1. Gavelis., V.; Gylys, P.; Mačiekus, V.; Minkevičienė, V.; Paliulytė, R.; Ulvidienė, E.; Urbšienė, L.	2017	Makroekonomika		Vilnius: Vilniaus universiteto leidykla
2. Čiegis, R.	2012	Makroekonomika		Vilnius: Vilniaus universiteto leidykla
3. Snieška, V. ir kt.	2011	Makroekonomika	4th edition	Kaunas: Technologija
4. N. Gregory Mankiw, Mark P. Taylor	2023	Economics	6th edition (tinka ir ankstesni)	Cengage
5. The Core Team	2019	The Economy		https://core-econ.org/the-economy/
6. Šeputienė, J.	2012	Makroekonomikos teorija		Šiauliai: Šiaulių universiteto leidykla
Recommended reading				
7. Abel, A. B., Bernanke, B. S.; Croushore, D.	2017	Macroeconomics	9th ed., global ed.	Harlow: Pearson Education Limited
8. Baumol, W. J.; Blinder, A. S.	2016	Macroeconomics: principles and policy	13th ed.	Boston, MA: Cengage Learning
9. Blanchard, O.	2007	Makroekonomika		Vilnius: Tyto alba
10. Boyes, W.J.; Melvin, M.	2012	Macroeconomics	9th edition	Mason: South-Western Cengage Learning
11. Greg, Ip.	2014	Praktinė ekonomika: makroekonomika realiame pasaulyje		Kaunas: 7 strategijos
12. Scientific and informational sources analyzing macroeconomic problems				

NOTE: Including Open Educational Resources in the reading list is recommended