

# MACROECONOMICS

## COURSE SYLLABUS

Code and name of specialty	073 – Management	Institute	Institute of Education and Science in Economics, Management and International Business
Program name	Management of Organizations and Administration / Business Administration (in English)	Department	General Economic Theory
Type of program	Professional	Language of instruction	Ukrainian /English

## LECTURERS

Anastasiia Mytrofanova, [Anastasiia.Mytrofanova@khpi.edu.ua](mailto:Anastasiia.Mytrofanova@khpi.edu.ua)



PhD (Economics), Associate Professor of Department of General Economic Theory (NTU “KhPI”).  
Authored and co-authored over 60 scientific publications. Courses: Macroeconomics, Economic Theory.

## GENERAL DESCRIPTION OF THE COURSE

Summary	The subject of "Macroeconomics" course is the laws of functioning of economic system as a whole and means of its regulation by the government. The course reveals the mechanism of a national economy functioning on the basis of macroeconomic theories, concepts, models, investigated by international and domestic economic science and proven by practice.
Course objectives	<ul style="list-style-type: none"> <li>to deepen understanding of features of macroeconomic condition of the economic system of Ukraine in terms of general macroeconomic patterns of functioning of economic systems; of macroeconomic functions of government and mechanism of their implementation;</li> <li>to develop a working knowledge of how to distinguish main signs of instability on markets of goods, labor, money;</li> <li>to develop key skills involved in analyzing statistical data on key macroeconomic indicators; analyzing main models of macroeconomic equilibrium; calculating nominal and real macroeconomic indicators.</li> </ul>
Types of classes and control	Lectures, workshops, consultations. The course ends with a final exam
Term	3

Student workload (credits) / Type of course	5 / Mandatory	Lectures (hours)	32	Workshops (hours)	32	Self-study (hours)	86
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Program competences	GC03. The ability to abstract thinking, analysis, synthesis. GC04. The ability to apply knowledge in practical situations. GC05. Knowledge and understanding the subject area and understanding the professional activity. GC09. The ability to learn and to master modern knowledge. GC10. The ability to conduct research at an appropriate level
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Learning outcomes	Teaching and learning methods	Forms of assessment (continuous assessment CAS, final assessment FAS)
LO12. To evaluate the legal, social, and economic implications of an organization's functioning	Research work, workshops, case-based learning, individual and teamwork	Written assignment (CAS), practical assessment (CAS), data collection and reporting (CAS), exam in the form of calculation task (FAS)
LO16. To demonstrate skills of independent work, flexible thinking, openness to new knowledge, be critical and self-critical	Discussions, workshops, problem-based learning, research work, project-based learning, individual work and teamwork	Written assignment (CAS), practical assessment (CAS), data collection and reporting (CAS), presentation of the written calculation task (FAS)

## ASSESSMENT AND GRADING

Range s of points corres pondi ng to grades	core (points) for all types of learning activities	ECTS grading scale	The national grading scale	Allocation of grade points	<b>100% Final assessment</b> as a result of Final exam (30%) and Continuous assessment (70%). <b>30% Final exam:</b> calculation task (written) and its oral presentation <b>70% Continuous assessment:</b> <ul style="list-style-type: none"><li>• 30% practical assessment (including problems and tests, essays, peer small group presentations);</li><li>• 10% individual assignment</li><li>• 30% term control (2 online tests)</li></ul>
	90-100	A	excellent		
	82-89	B	good		
	74-81	C			
	64-73	D	satisfactory		
	60-63	E			
	35-59	FX	Unsatisfactory (with the exam retake option)		
	0-34	F	Unsatisfactory (with mandatory repetition of the course)		

### Course policy

Students are expected to attend classes regularly, to get to class on time and stay for the duration of the class. In the case of absence, students will be required to submit all assignments to make up for the missed classes. Students are also expected to come to class having read all the required material and being ready to productively participate in the class discussions. Written assignments should be submitted before the specified deadlines.

## COURSE STRUCTURE AND CONTENT

<b>Lecture 1</b>	Macroeconomics as a science.	<b>Workshop 1</b>	Discussing macroeconomic goals, tools and indicators; macroeconomic methods and models.	S e l f - s t u d y	Preparing issues for discussion: macroeconomic schools of economic thought; macroeconomics as a theoretic foundation of economic policy. Reading suggested literature, studying of calculation task requirements.
<b>Lecture 2-3</b>	Macroeconomic indicators in the system of national accounts.	<b>Workshop 2-3</b>	Discussing system of national accounts (SNA) and its principal categories. Calculating Gross domestic product (GDP) using three methods; calculating other indicators used in SNA and price indexes.		Understanding the difference between System of national accounts and the system of national economy balance; preparing for discussion; studying statistical data for calculating indicators used in SNA.
<b>Lecture 4</b>	Model of aggregate demand and aggregate supply.	<b>Workshop 4</b>	Discussing price and non-price determinants of aggregate demand and aggregate supply. Finding the cases of macroeconomic equilibrium in terms of AD-AS model graphically. Calculating the equilibrium GDP. Case "Great Depression".		Preparing for discussion: Short-run and long-run equilibrium in AD-AS model Understanding "the ratchet effect".

<b>Lecture 5</b>	Money market.	<b>Workshop 5</b>	Analyzing Supply function for money, Demand function for money and Equilibrium in the money market. Calculating money supply, monetary base, monetary aggregates.		Distinguishing the difference between Keynesian and Classical theories of money demand. Preparing for discussion: Banking system of Ukraine.
<b>Lecture 6-7</b>	Labour market.	<b>Workshop 6-7</b>	Discussing types, theories and reasons of unemployment. Analyzing mechanism of labour market. Discussing Social and economic consequences of unemployment. Studying Okun's Law. Calculating indicators of labor usage and unemployment.		Studying statistical data for calculating indicators of labor usage and unemployment. Preparing for discussion: State policy of employment in Ukraine. Problems of unemployment in Ukraine.
<b>Lecture 8</b>	Inflation.	<b>Workshop 8</b>	Discussing causes and effects of inflation. Analyzing tools of anti-inflationary policy. Analyzing Phillips' curve in short-run and long-run. Calculating rate of inflation.		Preparing for discussion: Problems of inflation in Ukraine. Distinguishing the difference between types of inflation.
<b>Lecture 9-10</b>	Household consumption.	<b>Workshop 9-10</b>	Studying ways of evaluation of economic inequality. Analyzing peculiarities of Keynesian theory of consumption. Analyzing Paradox of thrift. Discussion: Economic inequality in Ukraine. Calculating indicators of Incomes of households, savings and consumption.		Understanding the difference between autonomous and induced consumption. Comparing the theories of consumption: hypotheses of life cycle and permanent income. Preparing for discussion: Economic inequality in Ukraine.
<b>Lecture 11</b>	Private investments.	<b>Workshop 11</b>	Analyzing interrelation between savings and investments. Calculating profitability of investment projects. Discussion: Role of financial system in transformation of savings into investments.		Understanding the essence, types, function of Investments. Preparing for discussion: Role of financial system in transformation of savings into investments.
<b>Lecture 12-13</b>	Aggregate expenditures and GDP.	<b>Workshop 12-13</b>	Analyzing equilibrium models of "Keynesian cross"; "Injections and exceptions", IS-LM model. Demonstrating multiplier effect and its mathematical and graphical interpretation. Calculating multiplier, recessionary and inflationary gaps.		Understanding the interaction of markets of resources, money, commodity, investments.
<b>Lecture 14</b>	Macroeconomic dynamics.	<b>Workshop 14</b>	Discussing economic growth: factors, types, indexes. Calculating indexes of economic growth. Analyzing basic models of economic growth.		Understanding economic cycle, its types, phases. Comparing theories of economic cycle. Preparing for discussion: Problems of economic growth in Ukraine.
<b>Lecture 15</b>	Government macroeconomic regulation of economy.	<b>Workshop 15</b>	Discussing fiscal policy, its objectives, types and instruments; and monetary policy, its essence and strategies. Analyzing joint influence of fiscal instruments on GDP and state budget. Calculating budget deficit and multiplier of government expenditures.		Understanding the role of the government in economic circulation Preparing for discussion: Public debt: reasons, structure, consequences Problems of budget deficit and public debt in Ukraine.
<b>Lecture 16</b>	External economic activity.	<b>Workshop 16</b>	Analyzing mechanism and tools of foreign economic policy; economic equilibrium in open economy. Calculating balance of payments. Calculating exchange rates.		Understanding the evolution of international monetary systems. Preparing for discussion: Government regulation of external economic activity in Ukraine.

## RECOMMENDED READING

<b>Compulsory</b>	<ol style="list-style-type: none"> <li>1. Benassy J.-P. (2011) Macroeconomic Theory. Oxford University Press.</li> <li>2. Dornbusch R. (2010) Macroeconomics. – McGraw-Hill/Irwin.</li> <li>3. Mankiw Gregory N. (2016) Macroeconomics. – 9th Edition. — New York: Worth Publishers.</li> <li>4. McConnell, Campbell R. (2009) Economics: principles, problems, and policies. - 18th ed. – McGraw-Hill/Irwin.</li> <li>5. Samuelson, Paul Anthony. (2010) Economics. — 19th ed.</li> <li>6. Агапова Т.А. (2004) Макроэкономика. – М.: Дело и Сервис.</li> <li>7. Arkhiereiev S. I. et al. (2018). Macroeconomics: Study guide for students of specialties 073 «Management», 072 «Finance, Banking and Insurance». – Kharkiv: I. S. Ivanchenko Publishing House.</li> <li>8. Архієреєв С.І. та ін. (2004) Макроекономіка: Навч. посіб. - Харків: НТУ "ХПІ".</li> </ol>	<b>Additional</b>	<ol style="list-style-type: none"> <li>1. Базилевич В. Д. (2008) Макроекономіка : підручник. – К. : Знання.</li> <li>2. Гронтковська Г. Е. (2011) Макроекономіка: навч. посібник. — К.: Центр учбової літ-ри.</li> <li>3. Круш П.В. (2008) Макроекономіка: навч. посібник. - вид. 2-ге, перероб. та доп. - К.: Центр навчальної літератури.</li> <li>4. Кучерявенко І. А. (2008) Макроекономіка: практикум: навч. посібн. – К. : Вікар.</li> <li>5. Кліменко О. М. (2008) Макроекономіка: підручник.— Х.: ХНЕУ.</li> <li>6. Довгаль Е.А. (2010) Макроэкономика: учебное пособие для студентов экономических специальностей. – Харків: Издательство НУА.</li> <li>7. Крюкова О. М. та ін. (2010) Практикум з навчальної дисципліни "Макроекономіка" для студентів всіх спеціальностей усіх форм навчання. – Х. : Вид. ХНЕУ.</li> <li>8. Архиреев С. И. и др. (2007) Макроэкономика : учеб.-метод. практикум. – Х. : НТУ «ХПИ».</li> </ol>
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### Compulsory

### Academic integrity

Students are expected to adhere to the Code of Ethics of Academic Relations and Integrity of NTU “KhPI”.

The content of this syllabus is consistent with the Macroeconomics course program.