

MINISTRY OF PUBLIC HEALTH OF UKRAINE

KHARKIV NATIONAL MEDICAL UNIVERSITY

The department of social science

Academic year 2021/2022

SYLLABUS OF THE EDUCATIONAL COMPONENT

«Essentials of economic theories»

Elective educational component

Form of education: full-time education

Branch of knowledge 22 «Health Care»

Specialization 222 General Medicine

Educational and professional program «Medicine»

Second (Master) level of higher education

First year

Syllabus of study discipline
approved at meeting of the
Department of Social Sciences
of the KhNMU

Protocol of
“30” August 2021 № 7

Approved by the methodic commission
KNMU on the problem of general and
pre-professional training

Protocol of
“31” August 2021 № 7

Head of Department


Robak I. Yu.

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Compilers of the syllabus:

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Professional interests, links to the teacher's profile (on the website of the university, department, in the Moodle system, etc.): history, culturology

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Consultations according to the schedule posted on the information stand of the department and in the cathedral directory in the MOODLE system (<http://distance.knmu.edu.ua/course/view.php?id=107>)

Location:

Ave. Nauki, 4, Kharkiv, Kharkiv National Medical University, Main Building, 3rd floor, Department of Social Sciences

INTRODUCTION

The syllabus of the discipline "Essentials of economic theories " is compiled in accordance with the educational professional program (hereinafter - EPP) "Medicine" and the Standard of Higher Education of Ukraine (hereinafter - the Standard), the second (master's) level, field of knowledge 22 "Health care", specialization 222 " General Medicine"

Course description.

The acquisition of in-depth knowledge in the economic theory by future physicians is an important part of their general professional medical education which should help to understand the economic foundations for a health care development, welfare of physicians and patients, create the preconditions for the doctor's economic and thus professional independence. The study of the course requires students to take a creative approach in solving the educational problems and the ability to determine the own trajectory of the educational process.

Multidisciplinary nature of local study determines its close relationship with other types of scientific knowledge, including medicine.

The subject of study.

The study of the discipline "Essentials of economic theories" is the development of future doctors more in-depth knowledge of economic theory, which is an important part of their general professional medical education. This should contribute to a deeper understanding by students of aspects of human life and society, ways to increase the motivation of patients to overcome difficult life situations. The study of this discipline requires students to take a creative approach to solving educational problems and the ability to determine their own trajectory of the educational process, which will allow the most effective use of teaching hours.

Interdisciplinary connections. The study of the discipline is associated with the mastery of disciplines taught in the I-VI years: "History and culture of Ukraine", "Philosophy", " Study of Culture", "Ethnography", "Political Science", "Medical Studies", "Ethics", "Religious Studies", "Medical Kharkiv in Personalities", "History of Health Care in Kharkiv", "Medicine and Politics". "History and Culture of Ukraine" is objectively integrated with the disciplines "Medicine and Art Culture", "Medical Subculture", "Fundamentals of Christian Ethics and Morality", and others.

Prerequisites. The study of the discipline involves the prior mastering of school subjects in the history of Ukraine, which give a basic idea of education. In the case of international students, no prior training is required, the problem is solved through multilevel education.

Postrequisites. " Essentials of economic theories " is objectively integrated with disciplines that provide further training of medical students: "History of the Modern World", "Philosophy", " Study of Culture", "Ethnography", "Political Science", "Medical Local Lore", "Ethics", "Religious Studies", "Medical Kharkiv in Personalities", "History of Health Care in Kharkiv", "Medicine and Politics". "History and Culture of Ukraine" is objectively integrated with the disciplines "Medicine and Art Culture", "Medical Subculture", "Fundamentals of Christian Ethics and Morality".

1. The purpose and objectives of the course

1.1. The purpose of studying the discipline is to prepare a medical professional who can understand medicine as part of the universal cultural and economic process and to form medical students a clear idea of the essence of a market economy, the laws of economic systems and the place of health care in them.

1.2. The main objectives of the discipline are to ensure that students acquire the competencies defined in accordance with the requirements of the standard.

1.3.1. The study of the discipline provides students with the acquisition of competencies:

Integral:

ability to solve typical and complex specialized tasks and practical problems in professional activities in the field of health care, or in the learning process, which involves research and / or innovation and is characterized by complexity and uncertainty of conditions and requirements.

General:

GC1 – Capacity for abstract thinking, analysis and synthesis; ability to study and be modernly trained

GC2 – Capacity for using knowledge in practical situations

GC4 – Capacity for adapting and acting in a new situation

GC5 – Capacities for making sound judgements and for working in a team; skills of interpersonal interaction

GC6 – Capacity for communicating in the state language both in the oral and written forms; Capacity for communicating in a foreign language

GC7 – Skills of using informative and communicative technologies

GC9 – Capacity for acting in the socially responsible and conscious way

Professional:

PC1 – Skills of questioning

PC15 – Capacity for carrying out epidemiological and medical-statistical studies of the health of population; processing of state, social, economic and medical information

PC16 – Capacity for assessing effects of environmental, socioeconomic and biological determinants on the state of human health in individuals, families and populations.

PC17 – Capacity for analyzing the activity of a doctor, unit, health care institution, and for taking measures in order to provide quality and safety of medical aid and increase the efficacy of using medical resources

1.3.2. The study of the discipline provides students with the acquisition of the following program results of training:

Knowledge and understanding:

PRT 1 – to have general and special fundamental and profession-oriented knowledge, abilities, skills and competences required for carrying out typical

professional tasks, which are associated with activity in the medical field in a particular position

Use of knowledge and understanding:

PRT 4 – to collect information about the patient

PRT 5 – to evaluate results of questioning, physical examination, data of laboratory and instrumental methods of examination

Formation of judgements:

PRT 20 – to apply the acquired knowledge about the current system of health care for optimization of one’s own professional activity and participation in performing practical tasks in the field

PRT 21 – to adhere to the ethical code of the doctor, which ensures the formation of a specialist with appropriate personal qualities

1.3.3. The study of the discipline provides students with the following social skills (Soft skills): communication skills, leadership, responsibility, ability to work in critical conditions, resolve conflicts, work in a team, manage their time, make decisions independently, think critically.

2. INFORMATION SCOPE OF THE COURSE

Name of indicators	Field of knowledge, specialization, educational and qualification level	Characteristics of the discipline	
		full-time education	evening form of study (absent)
Number of credits - 3	Branch of knowledge: 22 "Health care"	Elective	
The total number of hours is 90	Specialization: 222 "Medicine" 228 "Pediatrics"	The year of preparation:	
		1st	-
		Semester	
		2 nd	-
Hours for full-time study: classrooms - 30 individual student work - 60	Educational and qualification level: II master's level EPP "Medicine"	Lectures	
		10 hours	-
		Practical, seminar	
		20 hours	-
		Laboratory	
		-	-
		Individual work	
		90 hours	-
Individual tasks:			
-			
Type of control: current,			

		credit
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2.1 Description of the discipline

2.2.1 Lectures

№	Topic title	Quantity of hours	Types of lectures
1	Evolution of economic theory as a science. Economic needs. Property.	2	Introductory, review, problem, binary
2	The essence, structure and infrastructure of the market. Monopoly and competition.	2	Review, problem, binary
3	Interaction of price, supply and demand. Macroeconomic system. Basic macroeconomic indicators.	2	Review, problem, binary
4	Economic growth and investment. The financial system of the state. Health financing models.	2	Review, problem, binary
5	Social policy of the state. Foreign economic balance.	2	Review, problem, binary, final
	Total	10	

2.2.2 Seminars

№	Topic title	Quantity of hours	Teaching methods	Forms of control
1	Evolution of economic theory as a science. Economic needs. Property.	4	problem-based learning, business games, brainstorming, group work, developmental learning, multilevel learning, heuristic conversations, discussions and debates, presentation method, project-based learning method,	Oral interview, test survey in the MOODLE system
2	The essence, structure and infrastructure of the market. Monopoly and competition.	4		
3	Interaction of price, supply and demand. Macroeconomic system. Basic macroeconomic indicators.	4		

4	Economic growth and investment. The financial system of the state. Health financing models.	4	organization of excursions to museums and exhibitions	
5	Social policy of the state. Foreign economic balance.	4		
	Total	20		

2.2.3 Practical classes are not provided

2.2.4. Laboratory classes are not provided

2.2.5. Individual work

№ 3/II	Topic title	Quantity of hours	Teaching methods	Forms of control
1	Evolution of economic theory as a science. Economic needs. Property.	10	problem-based learning, group work, multilevel learning, presentation method, project learning method	Oral interview, test survey in the MOODLE system, participation in scientific conferences
2	The essence, structure and infrastructure of the market. Monopoly and competition.	20		
3	Interaction of price, supply and demand. Macroeconomic system. Basic macroeconomic indicators.	20		
4	Economic growth and investment. The financial system of the state. Health financing models.	20		
5	Social policy of the state. Foreign economic balance.	20		
	Total	90		

Teaching methods. During lectures and practical lessons it is recommended to use such pedagogical methods: problematic education, business games, «brain storm», work in groups, developing education, multilevel training (taking into account the abilities of different students), heuristic conversations, debates and

discussions, preparing report-presentations, method of project training (preparing by student the independent research project), excursions to museums and exhibitions.

Methods of control (only those used in teaching the discipline are given):

Current control. During the current control methods of individual and face-to-face interviews, written testing, writing creative works (essays, reviews, reviews, own statements), microphone method, problem solving, work with sources and scientific literature, watching movies with further discussion are used, work in groups, verification tests.

Final control is carried out at the last lesson in the form of the final lesson, which includes control of all types of training provided by the curriculum. According to the results of educational activities, a test is set on a two-point scale "credited" - "not credited". A grade on a traditional scale is also given.

3. EVALUATION CRITERIA

3.1. Evaluation of the success of students' education is carried out on the basis of "Instructions for evaluating the educational activities of higher education students in KhNMU" (Table 2).

Table 2

Recalculation of the average score for current activities in a multi-point scale (for disciplines ending with a credit)

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	200	4.22-4,23	169	3.45-3,46	138
4.97-4,99	199	4.19-4,21	168	3.42-3,44	137
4.95-4,96	198	4.17-4,18	167	3.4-3,41	136
4.92-4,94	197	4.14-4,16	166	3.37-3,39	135
4.9-4,91	196	4.12-4,13	165	3.35-3,36	134
4.87-4,89	195	4.09-4,11	164	3.32-3,34	133
4.85-4,86	194	4.07-4,08	163	3.3-3,31	132
4.82-4,84	193	4.04-4,06	162	3.27-3,29	131
4.8-4,81	192	4.02-4,03	161	3.25-3,26	130
4.77-4,79	191	3.99-4,01	160	3.22-3,24	129
4.75-4,76	190	3.97-3,98	159	3.2-3,21	128
4.72-4,74	189	3.94-3,96	158	3.17-3,19	127
4.7-4,71	188	3.92-3,93	157	3.15-3,16	126
4.67-4,69	187	3.89-3,91	156	3.12-3,14	125

4.65-4,66	186	3.87-3,88	155	3.1-3,11	124
4.62-4,64	185	3.84-3,86	154	3.07-3,09	123
4.6-4,61	184	3.82-3,83	153	3.05-3,06	122
4.57-4,59	183	3.79-3,81	152	3.02-3,04	121
4.54-4,56	182	3.77-3,78	151	3-3,01	120
4.52-4,53	181	3.74-3,76	150	Less than 3	Not sufficient
4.5-4,51	180	3.72-3,73	149		
4.47-4,49	179	3.7-3,71	148		
4.45-4,46	178	3.67-3,69	147		
4.42-4,44	177	3.65-3,66	146		
4.4-4,41	176	3.62-3,64	145		
4.37-4,39	175	3.6-3,61	144		
4.35-4,36	174	3.57-3,59	143		
4.32-4,34	173	3.55-3,56	142		
4.3-4,31	172	3.52-3,54	141		
4,27-4,29	171	3.5-3,51	140		
4.24-4,26	170	3.47-3,49	139		

The maximum amount of points for the course is 200 points, the minimum acceptable for credit - 120 points.

3.2. Test questions:

1. Stages of formation and development of economic theory.
2. Modern economic schools and trends.
3. Development of economic thought in Ukraine.
4. The subject of economic theory.
5. Methods of cognition of economic processes.
6. Economic categories and laws.
7. Economic policy.
8. The relationship between economic theory and health economics.
9. The concept of economic systems and their typologies.

10. Features of transitional economic systems.
11. The market transformation of society.
12. The essence and forms of ownership in the modern world economy.
13. Economic and social costs of privatization in Ukraine.
14. Forms of ownership in a health care.
15. Ways of forming the private sector of medical services, its competition with the public sector.
16. Content, conditions of origin and functions of the market.
17. Market structure.
18. The “shadow economy”, its segments.
19. Features of the labour market in a health care.
20. Market structure and its role in the formation of a developed economy.
21. The economic role of the state in the modern market system.
22. Models of state regulation in economy.
23. State and government in the market of medical services.
24. The essence of competition and its role in economic development.
25. Pure competition.
26. Monopolistic competition.
27. Monopoly.
28. Oligopoly.
29. Antitrust market regulation.
30. Monopoly and competition in the market of medical services.
31. Competitiveness of medical services.
32. Enterprise in a market economy.
33. The role of non-profit enterprises in a health care.
34. Family doctor as a business entity.
35. The structure of production costs.
36. Gross income (revenue) of the enterprise.
37. Profit: its essence and types. Profitability.
38. The essence, types, conditions of entrepreneurship.
39. Small business and its role in the economic growth.
40. Entrepreneurship in a health care.

41. The concept of management and marketing, their features in a health care.
42. Macroeconomic model and its components.
43. Modern macroeconomic schools.
44. GDP, methods of its calculation.
45. Net National Income and National Income
46. National wealth.
47. Gross domestic product as a source of health care costs.
48. Public production and public procurement of medical services.
49. Aggregate demand and aggregate supply.
50. The essence, types, factors and indicators of an economic growth.
51. Growth rate of the GDP.
52. Economic growth – the foundation for social change.
53. Investments, their types, directions and impact on the GDP growth.
54. Investment climate in Ukraine.
55. Ways to increase investment into a health care.
56. Health care spending restraint policies in the developed countries.
57. National health programs.
58. Cyclical economic development.
59. Economic cycle and its phases.
60. Economic crises: the essence, types and ways to overcome.
61. The global financial and economic crisis of 2008–2009 and its impact on Ukraine.
62. Unemployment, its essence and types.
63. Inflation and its socio-economic consequences.
64. The essence and functions of finance.
65. The structure of the financial system of the state.
66. The state budget. The budget deficit and public debt.
67. Methods of a budget regulation, its impact on the economic growth.
68. The world health care funding models.
69. Tax system and tax policy of the state.
70. The nature and types of taxes.
71. Principles of taxation.

72. Laffer curve.
73. Formation and improvement of the tax system in Ukraine.
74. The essence, principles and functions of credit.
75. Banking system, its structure and functions.
76. The National bank of Ukraine and its role in the monetary policy of the state.
77. The nature, directions and models of social policy of the state.
78. Level and quality of life.
79. Index of human development and its component – life expectancy.
80. Employment, active and passive state policy in the labour market.

3.3. Test questions for seminars

Topic 1

1. Stages of formation and development of economic theory.
2. Modern economic schools and trends.
3. Development of economic thought in Ukraine.
4. The subject of economic theory.
5. Methods of cognition of economic processes.
6. Economic categories and laws.
7. Economic policy.
8. The relationship between economic theory and health economics.

Topic 2

1. Content, conditions of origin and functions of the market.
2. Market structure.
3. The “shadow economy”, its segments.
4. Features of the labour market in a health care.
5. Market structure and its role in the formation of a developed economy.
6. The economic role of the state in the modern market system.
7. Models of state regulation in economy.
8. State and government in the market of medical services.

Topic 3

1. Enterprise in a market economy.

2. The role of non-profit enterprises in a health care.
3. Family doctor as a business entity.
4. The structure of production costs.
5. Gross income (revenue) of the enterprise.
6. Profit: its essence and types. Profitability.
7. The essence, types, conditions of entrepreneurship.
8. Small business and its role in the economic growth.
9. Entrepreneurship in a health care.
10. The concept of management and marketing, their features in a health care.

Topic 4

1. The essence, types, factors and indicators of an economic growth.
2. Growth rate of the GDP.
3. Economic growth – the foundation for social change.
4. Investments, their types, directions and impact on the GDP growth.
5. Investment climate in Ukraine.
6. Ways to increase investment into a health care.
7. Health care spending restraint policies in the developed countries.
8. National health programs.

Topic 5

1. The essence and functions of finance.
2. The structure of the financial system of the state.
3. The state budget. The budget deficit and public debt.
4. Methods of a budget regulation, its impact on the economic growth.
5. The world health care funding models.
6. Tax system and tax policy of the state.
7. The nature and types of taxes.
8. Principles of taxation.
9. Laffer curve.
10. Formation and improvement of the tax system in Ukraine.
11. The essence, principles and functions of credit.
12. Banking system, its structure and functions.
13. The National bank of Ukraine and its role in the monetary policy of the state.

3.4. Individual tasks are formed in accordance with the content of scientific conferences, which is approved annually by the work plan of the department of Social Sciences. The specifics of individual tasks for students are agreed with the teacher. According to the "Instructions for evaluating the educational activities of

higher education students in KhNMU" the student can increase the assessment by performing individual tasks (participation with reports in student conferences, profile competitions, preparation of analytical reviews with presentations, etc.), which if successful adds up to 10 points. quality incentives.

3.5. Rules for appealing the assessment

If a student is dissatisfied with the results of the assessment of his / her academic activity and wishes to appeal the assessment of the subject, he / she has the right to apply to the management of the department and / or the dean of the relevant faculty to re-assess his / her knowledge. If the student's requirements are justified, the department / dean's office creates a special commission for re-evaluation.

4. DISCIPLINE POLICY

Discipline requirements

Written assignments and homework must be submitted in time. In case of questions students can contact the teacher personally or by e-mail which the teacher will provide in the first practical lesson.

During the lecture students are recommended to compose the lesson's summary and keep a sufficient level of silence. It is welcomed to pose the questions to a lecturer.

It is important to follow next rules:

- respect to colleagues;
- tolerance toward others and experience of people;
- receptivity and impartiality;
- ability to respect the person even in a case of disagreement with its thoughts;
- thorough reasoning of own opinion and courage to change it under the influence of counter arguments;
- self-expression when the person avoids the unnecessary generalizations, describes own feelings and forms expectations relying on own thoughts and emotions;
- obligatory work with the recommended sources of information.

The creative approach in its different forms is welcomed. In particular it is a participation in scientific conferences.

Attendance and behaviour

The students are expected to attend all lectures and practical lessons. In a case of skipping the class it is necessary to work off it according to the department's schedule.

Actions that are allowed during lessons:

- Leave the classroom for a short time in case of necessities and with a permission of teacher;
- To take a photos of presentations;
- To take active part in a course of the lesson.

Prohibited:

- Eating (except people whose special medical situation requires the opposite – in that case the medical confirmation is needed);
- Smoking, consuming of alcohol;
- Rude behaviour, expression of obscenities and offend someone's dignity;
- Gambling;
- To damage the university equipment;
- To make a noise or listen a music in classrooms or corridors during the lessons.

Using of electronic gadgets

Using of electronic gadgets during studying is allowed without restriction except those cases when it may interfere with the ways of objective assessment of students' knowledge.

Policy for people with the special educational needs

The studying is carried out taking into account the requirements of modern Ukrainian legislation in relation to persons with special educational needs and is regulated by the university.

Recommendations for successful mastering the discipline

In the process of preparation for practical classes students should study the recommended literature. Active participation during the discussion in the classroom is welcome, students should be ready to understand the material in detail, ask questions, express their point of view, discuss.

Incentives and penalties

According to the "Instructions for the evaluation of educational activities in the European credit-transfer system of the educational process in the KhNMU" students can increase the grade for the module by performing individual tasks (making the reports, participation in scientific conferences, competitions, preparation of reviews, etc.) in case of success gives 10 points as an incentive.

Safety precautions

The first lesson includes an explanation of the basic principles of labour protection. Every student should know the location of nearest evacuation exit, the fire extinguisher, how to use it, etc.

Procedure for informing about changes in the syllabus

The possible changes in the syllabus will be announced on the department page of the of the official website of KhNMU, in the department's directory in Moodle, and at the dean-office

5. ACADEMIC INTEGRITY

One of the elements of academic culture that the university instills is the student's understanding of the inadmissibility of any borrowing without proper references. Given this, the main task of teachers is to form students' skills of

independent work, interest in learning and socially significant values. The first sessions will provide information on what to consider plagiarism and how to properly conduct a research search.

6. Recommended literature

Basic literature:

1. *McConnell R. Campbell*. Economics: Principles, Problems, & Policies. McGraw-Hill Education, 2014, 996 p.
2. *Chang Ha-Joon*. Economics: The User's Guide: A Pelican Introduction. Pelican, 2014, 475 p.
3. *Culyer A. J., Newhouse J. P.* Handbook of Health Economics. Vol. 1A, Elsevier : 2000, 1000 p.

Auxiliary literature:

1. *Acemoglu D., Robinson A. J.* Why Nations Fail: The Origins of Power, Prosperity, and Poverty. Profile Books, 2012, 529 p.
2. *Gerschenkron Alexander*. Economic Backwardness in Historical Perspective: A Book of Essays. Belknap Press, 1962, 456 p.
3. *Łyszczarz Błażej*. The effect of health care model on health systems' responses to economic crises. *Ekonomia i Prawo. Economics and Law*, December 2016, p. 493–501.

7. INFORMATION RESOURCES

1. Link to the discipline in MOODLE:

- English language: <http://distance.knmu.edu.ua/course/view.php?id=5>