

**SYLLABUS OF THE EDUCATIONAL COMPONENT
BASICS OF ECONOMIC KNOWLEDGE**

(the name of the educational component)

**for applicants for higher education of 3 year of study, full time
form of education (2023-2024 year of study)**

of educational program « Pharmacy »

(Educational Program Name)

in specialty « 226 Pharmacy, Industrial Pharmacy »

(Code and Specialty Name)

field of knowledge « 22 Healthcare »

(Code and Knowledge Field Name)

training for Second (Master's) level of higher education

(Higher Educational Level Name)

TEACHERS



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- 1. The name of higher education establishment and department:** the National University of Pharmacy, Department of Management and Quality Assurance in Pharmacy.
- 2. Addresses of the department:** Kharkiv, O. Nevskogo str., 18.
- 3. Web site of the department:** <https://quality.nuph.edu.ua/>
- 4. Information about teachers:**

Posilkina Olga Viktorivna

Doctor of Pharmacy, PhD in Economics, Honored Worker of Science and Technology of Ukraine, professor of department of management and quality assurance in pharmacy of the National University of Pharmacy. Academic experience – more than 40 years. She gives lectures: "Risk Assessment and Management in Research" (PhD); "Economics and organization of activities of health care institutions and pharmaceutical organizations" (masters), "Business model formation and economic management of the organization", "Financial and economic management" (masters); "Economics, planning, organization of chemical and pharmaceutical production"; "Business planning, accounting and controlling in health care institutions and pharmaceutical organizations" (masters), "Economics of the enterprise", "Economics and organization of biotechnological production", etc. Scientific interests:

innovation-investment activity and personnel management at pharmaceutical enterprises; regulatory policy in the pharmaceutical sector; financial and economic diagnosis of the activity of pharmaceutical enterprises; commercialization and protection of intellectual property in the pharmaceutical industry; quality economy; pharmaceutical logistics.

Gladkova Olga Vyacheslavna

PhD in Economics, associate professor of department of management and quality assurance in pharmacy of the National University of Pharmacy. Academic experience – more than 20 years, scientific-pedagogical experience – 23 years. She gives lectures: "Management of innovative development and competitiveness of the organization", "Financial and investment management", "Finance and investment", "Lean management", "Management of health care facilities" (masters); "Money and Credit", "Finance", "Finance, Money and Credit", "Business Finance and Investments", "International Economy", "Economics and Enterprise Finance" (Bachelors). Scientific interests: financial integration and globalization, health care system reform and management, health care competitiveness management.

Derenska Yana Mykolayivna

PhD in Economics, associate professor of department of management and quality assurance in pharmacy of the National University of Pharmacy. Academic experience – more than 20 years, scientific-pedagogical experience – 20 years. She gives lectures: "Project Management" (masters); "Project analysis"; "Substantiation of business decisions and risk assessment"; "Economic analysis" etc. Research interests: analysis of investment activity of pharmaceutical enterprises; project, program and project portfolio management; good practice of project management in the pharmaceutical industry.

5. Consultations take place according to a schedule at the Department of Management and Quality Assurance in Pharmacy.

6. Brief summary of the educational component: The educational component "Basics of Economic Knowledge" is aimed at forming higher education applicants' understanding of economic phenomena and processes, mechanisms of economic functioning, which is aimed at forming their economic outlook and rational behavior in various economic conditions. Its main tasks are the preparation of a qualified master who has basic knowledge of economic laws and the development of economic processes in society, and is able to apply them in social life and future professional activity.

7. The purpose statement of studying the educational component: The purpose of teaching the educational component "Basics of Economic Knowledge" is to provide applicants for higher education with knowledge about economic phenomena and processes, the mechanisms of the functioning of the economy, which are aimed at forming their economic worldview and rational behavior in various economic situations.

8. Competences in accordance with the educational program:

Soft- skills / General competences (CG):

GC 4. Ability to abstract thinking, analysis and synthesis, to learn and be modernly trained.

GC 12. Ability to conduct research at the appropriate level.

Hard-skills / Professional (special) competences (PC):

PC 9. Ability to analyze and forecast the main economic indicators of pharmacies, to calculate basic taxes and fees, to form prices for medicines and medical devices in accordance with current legislation of Ukraine.

9. The program learning outcomes: (PLO):

PLO 23. To take into account the data on socio-economic processes in society for the pharmaceutical provision of the population, determine the effectiveness and availability of pharmaceutical care in terms of health insurance and reimbursement of the cost of medicines.

10. Status of the educational component: selective.

11. Prerequisites of the educational component: "History of World and Ukrainian Culture", "Philosophy, Ethics and Aesthetics".

12. The volume of the educational component: 3 ECTS credits – 90 hours, number of hours per educational component (full time study): general, lectures - 9, practical classes - 21, individual work - 60.

13. Organization of training:

The format of teaching the educational component

Content of the educational component:

Content module 1. *Basics of Economic Knowledge*

Topic 1. Economy and economic system.

General characteristics of the concept of "economy". Economic system and its essence. Characteristic features of economic systems. Types of economic systems. General economic laws of development. Specific economic laws of development. Economic needs and interests. Limited resources and their rational choice. Production efficiency.

Topic 2. Goods and money, laws of monetary circulation.

Goods as an economic category. Commodity economy as a prerequisite for the development of modern economic models. Conditions for the emergence of commodity economy. The law of value, its functions, mechanism of action and socio-economic consequences. The essence of money. Historical aspects of the emergence of money. Functions of money. Types of money. Laws of money circulation. Determination of the required amount of money in circulation. Inflation and the purchasing power of money. Directions for minimizing inflationary losses.

Topic 3. The market as the basis of the modern economy.

The essence of the market, its functions and conditions of effective functioning. Types of markets. Aggregate demand as an economic category. Financial capabilities of market entities. Aggregate supply as an economic category. Market balance. Market deficit. Market surplus. Characteristics of the market infrastructure. The variety of market models, their advantages and disadvantages.

Topic 4. Expenses, capital and interest.

Costs as an economic category. The essence of socially necessary costs. Types of expenses of market subjects and households. Factors affecting the costs of market subjects and households. Profit and profit rate. Distribution of profit between business entities and the state. Capital as a prerequisite for the effective functioning of market entities. Sources of capital formation. Cost of capital. Directions of effective use of capital by business entities. The role of the central bank in determining the cost of capital and its regulation.

Topic 5. Employment and unemployment.

The essence of employment and the main principles of its provision. Economic activity of the population. Types of employment. Forms of employment. Employment levels. Unemployment: types, forms and levels. State employment policy, its purpose and content. The experience of developed countries in solving the problems of population employment. State support for small and medium-sized businesses.

Topic 6. Competition and state regulation of the economy.

The essence of macroeconomic competition. Types of competition. The main directions of the antimonopoly policy of the state. Competitiveness of market entities. Competitive advantages. Tactical and strategic factors of competitive advantages. State regulation of Economy. Monetary and credit regulation. Tax regulation. Regulation of innovation and investment activity. The main macroeconomic indicators of the socio-economic development of the country. State policy of raising the level and quality of life of the population.

Topic 7. Modern economic models of the development of society.

Monetary economy and cyclicity of its development. Innovative economy and its features. Behavioral economics in the modern economic space. Digital economy and online communications. Knowledge economy and the growing role of intellectual potential. Social economy and socially responsible entrepreneurship. Bioeconomy in the concept of sustainable development.

Topic 8. Globalization and economic aspects of globalization problems.

The world economy and its structure. Globalization as a leading trend in the development of the modern world. Positive and negative consequences of globalization. Actual aspects of modern globalization problems. Ways to solve modern globalization problems. Future trends of the world economy.

14. Forms and types of academic achievements supervision:

Forms and types of academic achievements supervision

Control of knowledge at each lesson: oral survey, writing test tasks, solving situational (calculation) problems, etc.

Supervision of content modules: preparation of test tasks, solution of situational (calculation) problems.

Semester control form: semester credit.

Conditions for admission to the supervision of content modules: for admission to the supervision of content module, it is necessary to have a minimum number of points for the topics 1-8.

Conditions for admission to semester supervision: a current rating of more than 60 points, absence of missed practical classes, fulfillment of all requirements stipulated in the work program of the educational component.

15. Evaluation system of the educational component:

Evaluation system of the educational component: the results of the semester supervision in the form of a semester credit are evaluated on a 100-point, non-differentiated scale ("passed", "failed") and on the ECTS scale.

Points from the educational component are calculated according to this ratio:

Types of evaluation	Maximum number of points (% of the number of points per module - for content modules)
Module 1	
Content module 1: Basics of Economic Knowledge - <i>evaluation of topics (1-8) (work in classes 1-8): work in classes (oral survey, writing test tasks, solving situational (calculation) problems);</i> - <i>supervision of content module 1 (writing test tasks, solving situational (calculation) tasks)</i>	100 (100 %)
Semester Supervision of Module 1	100

The individual work of applicants for higher education is evaluated during the control of knowledge at each lesson and during the content module supervision

16. Academic policies of the educational component:

The policy of the educational component ("rules of the game") is determined by the requirements of the department to the student of higher education when studying the educational component regarding academic integrity, regarding attending classes, regarding deadlines, working out, increasing the rating, liquidating academic debt, regarding contesting the assessment from the educational component (appeals), etc. Thus, the policy regarding academic integrity is based on the principles of academic integrity stated in the POL "On measures to prevent cases of academic plagiarism at the National University of Ukraine" (<https://nuph.edu.ua/akademichna-dobrochesnist/>). Writing off when evaluating the success of a student of higher education during control activities in practical (seminar, laboratory) classes, control of content modules and semester exams is prohibited (including using mobile devices). Abstracts must have correct text references to the used literature. The detection of signs of academic dishonesty in the student's written work is a reason for the teacher not to enroll it.

Class attendance policy. The student of higher education is obliged to attend training classes (POL "On the organization of the educational process of the National University of Ukraine" (<https://nuph.edu.ua/polozhennya-shhodo-organizacii-osvitnogo-procesu-u-nfau/>)) according to the schedule (<https://nuph.edu.ua/rozklad-zanyat/>), adhere to ethical norms of behavior.

Policy regarding deadlines, working out, rating increase, liquidation of academic debt. The completion of missed classes by a student of higher education is carried out in accordance with the POL "Regulations on the completion of missed classes by students and the procedure for eliminating academic differences in the curricula of the National University of Science and Technology"

(https://nuph.edu.ua/wp-content/uploads/2018/09/pola2.2-10-182_polozhennja-pro-vidpracjuvannja-propushhenih-zanjat-ta-porjadok-likvidacii-akademichnoiriznici-1.pdf) according to the timetable for making up for missed classes established at the department. Increasing the rating and liquidating academic debt from the educational component is carried out by students in accordance with the procedure specified in the POL "On the procedure for evaluating the results of studies of students of higher education at the National Academy of Sciences of Ukraine" (https://nuph.edu.ua/wp-content/uploads/2020/11/pol-a2.2.-32-031_polozhennja-pro-porjadok-ocinjuvannja-rezultativ-navchannja-zvo-u-nfau-red.05-2022.pdf). Applicants of higher education are obliged to comply with all deadlines set by the department for the completion of written works from the educational component. Works that are submitted late without valid reasons are assessed at a lower grade - up to 20% of the maximum number of points for this type of work.

Policy on appeals of assessment from the educational component (appeals). Students of higher education have the right to contest (appeal) the evaluation of the educational component obtained during control measures.

The appeal is carried out in accordance with the POL "Regulations on appealing the results of the semester control of the knowledge of students of higher education at NFaU" (https://nuph.edu.ua/wp-content/uploads/2016/12/pola2.2-38-050_polozhennja-pro-oskarzhennja-rezultativ-pidsumkovogo-kontrolju-znan-zdobuvacami-vishhoiosviti-u-nfau-red.01-2021.pdf).

Policy on recognition of learning outcomes obtained through non-formal and/or informal learning education by higher education seekers. Recognition of learning results obtained through non-formal and/or informal education by students of higher education is carried out in accordance with the POL "On the Procedure recognition of learning results obtained through non-formal and/or informal education by students of higher education at NFaU" (https://nuph.edu.ua/wp-content/uploads/2020/11/pol-a2.3-32-208_polozhennja-proporjadok-viznannja-rezultativ-navchannja-otrimanih-shljahom-neformalnoi-ta-informalnoi-osviti-red.02-2022.pdf). In order to evaluate the results of informal and/or informal training of a higher education applicant, the certification commission determines the scope and methods of demonstrating and measuring these training results, taking into account their content and possible specificity. Methods of demonstrating and measuring the applicant's non-formal and/or non-formal learning outcomes may differ from those used for learners within the relevant educational program, while ensuring the content validity of the assessment. The attestation commission makes a decision to recognize the results of the applicant's informal and/or informal education, if the results of the evaluation confirm the conformity of these results with the learning outcomes provided for in the relevant educational program".

17. Information and educational and methodical support of the educational component:

<p>The main reading suggestions</p>	<ol style="list-style-type: none"> 1. Posylkina O.V., Hladkova O.V. Osnovy ekonomichnykh znan. Konspekt lektsii. [Elektronnyi resurs]. - URL: http://www.pharmel.kharkiv.edu 2. Posylkina O.V., Dorovskyi O.V., Hladkova O.V. Hlobalna ekonomika: navch. posib. Kh.: Vyd-vo NFaU, 2017. 218 p. 3. Posylkina O. V., Baieva O.I. Makroekonomika : navch. posib. Kh. : NFaU, 2018. 227 p.
<p>Supplementary reading suggestions for in-depth study of the educational component</p>	<ol style="list-style-type: none"> 1. Kolesnichenko I.M. Suchasni ekonomichni teorii: konspekt lektsii . Kh. : KhNEU, 2015. 163 p. 2. Havkalova N. L. Osoblyvosti upravlinnia intelektualnoiu vlasnistiu v umovakh ekonomiky znan monohrafiia. Kh. : KhNEU, 2017. 191 p. 3. Klimenko O.M. Makroekonomika : navch. posib. / O.M. Klimenko ta in. [za zah. red. O.M. Klimenko]. Kh. : INZhEK, 2017. 259 p. 4. Klimenko, O.M. Sotsialna ekonomika : navch. posib. Kh. : KhNEU, 2016. 146 p. 5. Kolesnichenko I.M. Suchasni ekonomichni teorii: konspekt lektsii . Kh. : KhNEU, 2015. 163 p.

	<p>6. Mikroekonomika: Pidruchnyk / Za red.. V. D. Bazylevycha. K.: Znannia, 2017. 677 p.</p> <p>7. Osnovy stiikoho rozvytku: Navchalnyi posibnyk / Za red. L.H.Melnyka. Sumy: VTD «Universytetska knyha», 2015. 654 p.</p> <p>8. Posylkina O.V., Derenska Ya.M. Obhruntuvannia hospodarskykh rishen i otsiniuvannia ryzykiv: navch. posib./ O.V. Posylkina . Kh.: Vyd-vo NFaU, 2018. 196 p.</p> <p>9. Posylkina O.V.,Bratishko Yu. S., Kubasova H.V. Innovatsiinyi rozvytok: konspekt leksii. Kh. : NFaU, 2015. 276 p.</p> <p>10.Posylkina O.V.,Bratishko Yu. S. Sotsialna vidpovidalnist: konspekt leksii. Kh. : NFaU, 2019. 152 p.</p> <p>11.Chukhno A. A. Suchasni ekonomichni teorii: Pidruchnyk / A. A. Chukhno, P. I. Yukhymenko, P. M. Leonenko; [Za red. A. A. Chukhno. K.: Znannia, 2017. – 878 p.</p>
<p>Current electronic information resources (magazines, websites) for in-depth study of the educational component</p>	<p>1. The Department of Management and Quality Assurance in Pharmacy – URL : http://quality.nuph.edu.ua/.</p> <p>2. The State Statistics Service. - URL: http://www.ukrstat.gov.ua/</p> <p>3. Verkhovna Rada of Ukraine - URL: http://rada.gov.ua</p> <p>4. The Ministry of Finance of Ukraine. - URL: https://www.mof.gov.ua/uk</p> <p>5. The Ministry Of Economy. - URL: https://www.me.gov.ua/?lang=uk-UA</p> <p>6. the Ministry of Health of Ukraine. - URL: https://www.kmu.gov.ua/catalog/ministerstvookhoroni-zdorovya-ukraini</p> <p>7. The National Library of Ukraine named after V.I. Vernadskyi. - URL: http://nbuv.gov.ua/</p> <p>8. The Scientific Library of the National University of Pharmacy. - URL: https://lib.nuph.edu.ua/en/home/</p>
<p>Moodle distance learning system</p>	<p>https://pharmel.kharkiv.edu/moodle/course/view.php?id=5153</p>

18. Material and technical support and software of the educational component: personal computer (Laptop), Zoom, Moodle.