

Ministry of Education and Science of Ukraine
National Aerospace University
"Kharkiv Aviation Institute"

Department of Economics and Public Administration (No. 601)

APPROVE

Guarantor of the educational program



A. DORONIN

" 29 " August 2025

COMPULSORY COURSE SYLLABUS

Enterprise economics

(name of academic discipline)

Fields of knowledge: 07 Management and administration

Specialty: 073 Management

Educational program: Management

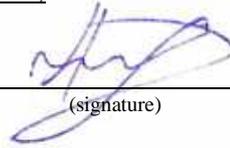
Level of higher education : first (bachelor's degree)

The syllabus is effective from 01.09.2025

Kharkiv – 2025

Developer: Associate Professor of Department 601,
Associate Professor,
Candidate of Economic Sciences

(position, academic degree and title, first and last name)



(signature)

Oleksandr POPOV

The syllabus of the academic discipline was considered at the meeting of the
Department of Economics and Public Administration (No. 601)

Protocol No. 1 dated "29" August 2025.

Head of the Department
Dr. of Public Administration, Prof.

(academic degree and academic title)



(signature)

Veronika KOVALCHUK

(first name and SURNAME)

Agreed with the representative of education seekers:

(signature)

(initials and surname)

1. General information about the teacher



Full name: Popov Oleksandr Serhiyovych

Position: Associate Professor of the Department of Economics and Public Administration (No. 601)

Academic degree: Candidate of Economic Sciences

Academic title: Associate Professor

List of disciplines taught:

- *Political economy*
 - *Economic development and innovation management*
 - *Potential and development of the enterprise*
 - *Development of economic and managerial outlook*
-

Areas of scientific research:

models and indicators for predicting the probability of bankruptcy of enterprises, generalizing indicators of the economic efficiency of enterprises

Contact information: o.popov@khai.edu

2. Description of the academic discipline

| | |
|---|--|
| Form of education | <i>Full-time, part-time</i> |
| Semester | 3 |
| Language of instruction | Ukrainian |
| Type of discipline | <i>Required</i> |
| Course volume: ECTS credits/number of hours | <i>full-time</i> : 4 ECTS credits / 120 hours (56 classroom hours, of which: lectures – 32, practical – 24; SRH – 64) <i>part-time</i> : 4 ECTS credits / 120 hours (6 classroom hours, of which: lectures –2, practical –4; SRH – 114) |
| Types of educational activities | Lectures, practical classes, passing modular tests, independent work |
| Types of control | Current control, module control, semester control – credit |
| Prerequisites | – |
| Co-requisites | – |
| Post-requisites | – |

3. Purpose and objectives of the academic discipline

The goal is to form in students a system of theoretical knowledge, skills and practical work skills regarding effective management methods; to acquire theoretical and practical knowledge regarding solving specific economic problems that would allow them to best achieve the economic goals of the enterprise and obtain high profits.

Task: study of theoretical foundations of economics and their further use to ensure high efficiency of production and economic activities of the enterprise. In this regard, students study the principle of functioning, resource provision, costs and factors for their reduction, financial results and ensuring efficiency of activities.

Competencies acquired:

Integral competence:

The ability to solve complex specialized tasks and practical problems in the economic sphere, which are characterized by complexity and uncertainty of conditions, which involves the application of theories and methods of economic science.

General Competencies (GC)

After completing this program, the student will be able to:

- The ability for abstract thinking, analysis and synthesis.
- Ability to apply knowledge in practical situations.
- Ability to communicate in the state language both orally and in writing.
- The ability to adapt and act in a new situation.
- The ability to be critical and self-critical.
- Ability to make informed decisions.

Professional competencies

After completing this program, the student will be able to:

- The ability to demonstrate knowledge and understanding of the problems of the subject area, the basics of the functioning of the modern economy at the micro-, meso-, macro- and international levels.
 - Ability to carry out professional activities in accordance with current regulatory and legal acts.
 - The ability to explain economic and social processes and phenomena based on theoretical models, analyze and meaningfully interpret the results obtained.
 - Understanding the features of the modern world and national economy, their institutional structure, substantiation of the directions of the state's social, economic and foreign economic policy.
 - The ability to analyze and solve problems in the field of economic and social and labor relations.
 - The ability to justify economic decisions based on an understanding of the laws of economic systems and processes and using modern methodological tools.
 - The ability to independently identify economic problems when analyzing specific situations and propose ways to solve them.
 - The ability to conduct economic analysis of the functioning and development of business entities, and assess their competitiveness.
 - The ability to analyze problems and phenomena in depth in one or more

professional areas, taking into account economic risks and possible socio-economic consequences.

Program learning outcomes:

- Know and use economic terminology, explain basic concepts of micro- and macroeconomics.
- Understand the principles of economic science, the peculiarities of the functioning of economic systems.
- Apply analytical and methodological tools to substantiate proposals and make management decisions by various economic agents (individuals, households, enterprises, and government agencies).
- Use professional argumentation to convey information, ideas, problems, and ways to solve them to specialists and non-specialists in the field of economic activity.
- Explain models of socio-economic phenomena from the perspective of fundamental principles and knowledge based on an understanding of the main directions of development of economic science.
- Conduct an analysis of the functioning and development of business entities, determine functional areas, and calculate relevant indicators that characterize the effectiveness of their activities.
- Apply acquired theoretical knowledge to solve practical problems and meaningfully interpret the results obtained.
- Identify sources and understand the methodology for determining and obtaining socio-economic data, collect and analyze the necessary information, and calculate economic and social indicators.
- Demonstrate basic creative and critical thinking skills in research and professional communication.
- Be able to use data, provide reasoning, critically evaluate logic, and form conclusions from scientific and analytical texts on economics.
- Use regulatory and legal acts that regulate professional activities.
- To master the skills of oral and written professional communication in the state and foreign languages.
- Be able to think abstractly, apply analysis and synthesis to identify key characteristics of economic systems at different levels, as well as the behavioral characteristics of their subjects.
- Demonstrate flexibility and adaptability in new situations, in working with new objects, and in uncertain conditions.
- Show independent work skills, demonstrate critical, creative, self-critical thinking.

4. Content of the academic discipline

MODULE 1.

Content module 1.

Topic 1. Introduction. Types of enterprises, their organizational and legal forms, external environment. Features of mechanical engineering enterprises

Abstract: Enterprise: concept, essence and economic foundations of functioning. Functions of modern entrepreneurship. Organizational and legal forms of enterprises. Classification of enterprises. Functions and management of enterprises. External environment of enterprises. General characteristics of mechanical engineering. Features of individual branches of Ukrainian mechanical engineering.

Lecture topic: Introduction. Types of enterprises, their organizational and legal forms, external environment. Features of mechanical engineering enterprises.

Topic of practical lesson: Types of enterprises, their organizational and legal forms, external environment. Features of mechanical engineering enterprises.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 2. Fixed assets of the enterprise

Abstract: The concept of fixed assets. Valuation of fixed assets. Depreciation of fixed assets. Indicators of the use of fixed assets, generalized and individual.

Lecture topic: Fixed assets of the enterprise.

Topic of the practical lesson: Fixed assets of the enterprise.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 3. Current assets of the enterprise

Abstract: The concept of working capital. Working capital, working capital funds and circulation funds. Stages of the working capital cycle. Rationing of working capital. Indicators of the use of material resources at the enterprise. Indicators of the efficiency of the use of working capital at the enterprise .

Lecture topic: Working capital of an enterprise.

Topic of the practical lesson: Working capital of the enterprise.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 4. Production process and its organization

Abstract: Organization of production. Production process. Main elements of the production process. Classification of production processes. Calculation of the duration of the production process. Types of movement of objects of labor. Method of organization of production. Calculation of indicators of the production process

Lecture topic: Production process and its organization.

Topic of the practical lesson: Production process and its organization.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 5. Production program and production capacity of the enterprise

Abstract: Production program. Product range. Assortment. Cost indicators of the production program. Formation of the production program of the enterprise. Optimization of the production program. Production capacity of the enterprise.

Lecture topic: Production program and production capacity of the enterprise.

Topic of the practical lesson: B Production program and production capacity of the enterprise.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 6. Enterprise personnel

Abstract: The concept of enterprise personnel. Classification of enterprise personnel. Industrial and production personnel. Indicators of the number of enterprise personnel. Labor productivity, output, labor intensity. Factors of labor productivity growth.

Lecture topic: Enterprise personnel.

Topic of the practical lesson: Enterprise personnel.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Modular control 1

Content module 2.

Topic 7. Remuneration at the enterprise

Abstract: Wages. Basic wages. Additional wages. Minimum wages. Main functions of wages as an economic category. Tariff system of remuneration. Unified tariff scale. Hourly and piecework forms of remuneration. Systems of collective forms of remuneration.

Lecture topic: Remuneration at the enterprise.

Topic of the practical lesson: Remuneration at the enterprise.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 8. Production costs and cost of production

Abstract: Types of enterprise costs. Variable costs. Fixed costs. Product cost. Calculation. Critical point of production (break-even point). Volume of marketable, gross, and sold products of the enterprise.

Lecture topic: Production costs and product cost.

Topic of the practical lesson: Production costs and cost of production.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 9. Prices and pricing in competitive conditions

Abstract: The concept of price. Pricing. Price functions. Price classification. Wholesale (retail) price structure. Pricing methods.

Lecture topic: Prices and pricing in competitive conditions.

Topic of the practical lesson: Prices and pricing in competitive conditions.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 10. Product quality and competitiveness

Abstract: Material goods by degree of processing. Products by economic purpose. Measures of product volume. Product quality. Product quality indicators. Methods for determining the level of product quality. Product competitiveness. Factors for improving quality and competitiveness. Standardization. Certification. Economic efficiency of improving product quality.

Lecture topic: Quality and competitiveness of products.

Topic of the practical lesson: Quality and competitiveness of products.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 11. Innovation and investment processes at the enterprise

Abstract: The concept of innovation, investment. Types of investment. Capital investments of the enterprise. Objects of innovation activity. Subjects of innovation activity. Innovation process.

Lecture topic: Innovation and investment processes at the enterprise.

Topic of the practical lesson: Innovation and investment processes at the enterprise.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Topic 12. Financial and economic results and efficiency of the enterprise

Abstract: Income (revenue) from the sale of products (goods, works, services). The main factors affecting the amount of revenue from the sale of products. Profit. The sequence of calculating profit. The main functions of profit. Use of the net profit of the enterprise. Determination of economic efficiency. Profitability.

Lecture topic: Financial and economic results and efficiency of the enterprise.

Topic of the practical lesson: Financial and economic results and efficiency of the enterprise.

Independent work of the student: Studying lecture material. Formulating questions for the teacher. Preparing materials for practical work.

Modular control 2

5. Individual tasks

The curriculum does not provide for the completion of individual tasks.

6. Teaching methods

Verbal, visual, practical; explanatory and illustrative, reproductive, partially search; testing and evaluation of knowledge, skills and abilities, oral presentation of knowledge, consolidation of educational material, independent work on understanding and mastering new material.

7. Control methods

Current control (theoretical survey and solving practical problems), written module control (testing by course sections), final control (test).

8. Evaluation criteria and distribution of points received by applicants

Table 8.1 – Distribution of points received by education seekers

| Components of educational work | Points for one lesson (task) | Number of lessons (tasks) | Total points |
|--------------------------------|------------------------------|---------------------------|----------------|
| <i>Content module 1</i> | | | |
| Work in practical classes | 0...5 | 6 | 0...30 |
| Modular control | 0...20 | 1 | 0...20 |
| <i>Content module 2</i> | | | |
| Work in practical classes | 0...5 | 6 | 0...30 |
| Modular control | 0...20 | 1 | 0...20 |
| <i>Per semester</i> | | | 0...100 |

The credit is issued at the end of the semester if the applicant has scored 60 or more points during the semester. The applicant has the opportunity to receive a maximum of 100 points.

Table 8.2 – Rating scales: point and traditional

| Total points | Traditional scale rating | |
|--------------|---------------------------|--------------|
| | Exam, differential credit | Test |
| 90 – 100 | Perfectly | Enrolled |
| 75 – 89 | Good | |
| 60 – 74 | Satisfactorily | |
| 0 – 59 | Unsatisfactorily | Not included |

Criteria for evaluating the student's work during the semester:

Satisfactory (60-74) – have a minimum of knowledge and skills. Complete and defend all practical work and homework. Be able to independently characterize the company's capital, labor resources, expenses, and profitability.

Good (75-89) – have a solid minimum of knowledge, complete all tasks. Show the ability to perform and defend all laboratory work within the time specified by the teacher with justification for the decisions and measures proposed in the work.

Excellent (90-100) – pass all control points with a grade of “excellent”. Thorough knowledge of all topics and ability to apply them.

9. Course Policy

Attendance at classes. Missed classes are made up according to the consultation schedule, with prior agreement with the instructor. Issues related to academic integrity are considered by the instructor, or the procedure specified in the Academic Integrity Policy is used.

Compliance with academic integrity requirements . When studying an academic discipline, students must adhere to generally accepted moral and ethical norms and rules of conduct, the requirements of academic integrity stipulated in the Regulations on Academic Integrity of the National Aerospace University "Kharkiv Aviation Institute" (<https://khai.edu/assets/files/polozhennya/polozhennya-pro-akademichnu-dobrochesnist.pdf>). It is expected that the works of students will be their original research or reasoning. The absence of references to the sources used, fabrication of sources, plagiarism, interference in the work of other students are, but are not limited to, examples of possible academic dishonesty . Identification of signs of academic dishonesty in the written work of a student is grounds for its non-registration by the teacher, regardless of the extent of plagiarism or deception.

Conflict resolution. The order and procedures for resolving conflicts related to corrupt actions, conflicts of interest, various forms of discrimination, sexual harassment, interpersonal relationships and other situations that may arise during training, as well as the rules of ethical behavior are regulated by the Code of Ethical Behavior at the National Aerospace University "Kharkiv Aviation Institute" (<https://khai.edu/ua/university/normativna-baza/ustanovchi-dokumenty/kodeks-etichnoi-povedinki/>).

10. Methodological support

1. Enterprise Economics: a textbook / O. S. Popov, V. V. Lebedchenko, Z. V. Kameneva, S. V. Kosenko; Ministry of Education and Science of Ukraine, National Aerospace University named after M. Ye. Zhukovsky " Kharkiv Aviation Institute". – Kh. – National Aerospace University named after M. Ye. Zhukovsky " Kharkiv Aviation Institute ", 2013. – 176 p.

2. Uzun, D. D. Economics and organization of innovative activity of the enterprise: a manual / D. D. Uzun, Yu. O. Uzun . – Kh.: National Aerospace University named after M. Ye. Zhukovsky " Kharkiv Aviation Institute ", 2010. – 122 p.

3. of machine-building enterprises: a textbook / O. S. Popov. – Kh.: National Aerospace University named after M. E. Zhukovsky " Kharkiv Aviation Institute -", 2010. – 48 p.

4. The course page is located at:
<https://mentor.khai.edu/course/view.php?id=8982>.

11. Recommended reading

Basic

1. Enterprise Economics: a textbook / E. M. Ignatova, O. S. Popov, I. V. Byednov ; Ministry of Education and Science of Ukraine, Kharkiv Institute of Management – Kh.: Slovo, 2014. – 292 p.

2. Economics of the enterprise: textbook / I. M. Boychyk . – Kyiv: Condor, 2016. – 378 p.

3. Enterprise Economics: a textbook / I. M. Posokhov [and others]; National Technical University " Kharkiv Polytechnic Institute " . – Kharkiv: NTU "KhPI", 2016. – 380 p.

4. Enterprise Economics (in diagrams and tables): a textbook / S. M. Rogach, N. M. Sulima, T. A. Hutsul. – Kyiv: Central Publishing House “KOMPRINT”, 2017. – 508 p.

5. Enterprise economics: a textbook for practical classes and independent work of students / I. A. Dmitriev, I. Yu. Shevchenko. – Kh.: FOP Brovin, 2018. – 292 p.

Auxiliary

1. Enterprise Economics: textbook / edited by L. G. Lypych . – Lutsk: Vezha-Druk, 2021. – 767 p.

2. Enterprise Economics: textbook / under the general editorship of Doctor of Economics, Prof. Kovalska L.L. and Prof. Kryvovyazyuk I.V. – Kyiv: Publishing House “Kondor”, 2020. – 700 p.

3. Enterprise Economics: a textbook . / O.I. Lysak, L.O. Andreeva, L.O. Boltianska . – Melitopol: Lux, 2020. – 272 p.

4. Enterprise Economics: a textbook / O. M. Bandurka, E. V. Kovalev, M. A. Sadikov, O. S. Makovoz ; general editor. L. L. Lazebnyk . – Irpin: University of the State Fiscal Service of Ukraine, 2021. – 426 p.

5. Enterprise Economics: Master's Course: Textbook / A. I. Yakovlev. – Kharkiv: NTU "KhPI", 2018. – 516 p.

6. Yarkina N. M. Enterprise Economics: textbook – Kyiv: Lira-K, 2020. – 600 p.

7. Enterprise Economics: Textbook / Edited by Kovalska L. L. and Kryvovyazyuk I. V. – Kyiv: Publishing House “Kondor”, 2020. – 700 p.

12. Information resources

1. Electronic resource: State Statistics Service of Ukraine
<http://www.ukrstat.gov.ua/>

2. Electronic resource: Unified information array of data on securities issuers
<https://www.smida.gov.ua/>

3. Electronic resource: Khai Scientific and Technical Library
<https://library.khai.edu/>

4. Electronic resource: V. I. Vernadsky National Library of Ukraine
<http://www.nbuv.gov.ua>

5. Electronic resource: National Bank of Ukraine [https:// www.bank.gov.ua](https://www.bank.gov.ua)

6. Electronic resource: Reporting of Ukrainian enterprises <https://zvitnist.com/>