

Ministry of Education and Science of Ukraine



ODESA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE

Institute of Business and Information Technologies
Department of Economics and entrepreneurship

SILABUS **educational component – EC 8** Economics of the construction industry

Educational level	Master's
Field of knowledge	19 Architecture and Construction
Specialty	192 Building and Civil Engineering
Educational program	Industrial and Civil Engineering
Educational component scope	3 credits ECTS (90 academic hours)
Types of classroom training	Lectures, practical classes
Individual tasks	Calculated and graphical work
Forms of final (term) control	exam

Lecturer(s):

Nataliya Petryshchenko, Doctor of Economics, Assoc. Professor of the Department of Economics and Entrepreneurship

When studying the educational component, higher education students will develop the following skills and competences regarding the applied economy of the organization and the effectiveness of management, formation of investment potential, systematic evaluation of enterprises and their activities subdivisions, identification of internal reserves of rational use of material, labor, financial resources.

Requirements for studying the educational component: Economic theory, Economics of construction.

Program learning outcomes:

PLO 1 The ability to assess the overall efficiency of the construction enterprise.

PLO 2 The ability to use the provisions of regulatory legal acts in the professional field activities; draw up basic business contracts; navigate the licensing process certain types of activities.

PLO 3 Ability to use normative and legal acts in everyday and professional life activities; to navigate in scientific, special literature and laws

PLO 8 To use the technical Ukrainian language orally and in writing

PLO 16 Ability to consider social, environmental, ethical, economic and commercial considerations affecting the implementation of construction solutions.

PLO 17 The ability to find optimal solutions when creating certain types of construction products taking into account architectural and planning requirements, strength, durability, safety life activity, quality, cost, terms of execution and competitiveness

PLO 21 Implement effective methods of complex construction management projects with awareness of responsibility for the decisions made and ensuring the quality of work.

Differentiated program learning outcomes:

to know:

- regularities of functioning of the construction industry and its subjects; main factors increasing the profitability and profitability of the enterprise;

- the essence and peculiarities of the formation and determination of the value of enterprise products construction industry;
- methods of determining the effectiveness of investing in projects.

to possess:

- methodical tools for estimating the amount of money over time, calculating criteria effectiveness of investment projects;
- methods of evaluating the results and economic efficiency of the enterprise;
- the skills of making estimates of the cost of a unit of production of construction enterprises industry;

to be able to:

- to determine performance indicators of enterprises in the construction industry;
- determine directions for increasing profitability and profitability at enterprises;
- calculate the cost of production of construction enterprises;
- determine the main technical and economic indicators of construction projects;
- carry out an assessment of the effectiveness of investments and the expediency of making investments projects

Thematic plan

- Topic 1 Financial activity of a construction enterprise
- Topic 2 Costs of a construction enterprise
- Topic 3 Pricing system at the enterprise
- Topic 4 Profit and profitability of the enterprise
- Topic 5 Accounting and analysis at construction enterprises
- Topic 6 Investment in construction projects
- Topic 7 State regulation of business activity

Score criteria and diagnostic tools

The minimum and maximum score for the «exam» in the educational component «Economics of the construction industry» ranges from 60 points to 100 points.

The educational component includes the following task – calculated and graphical work.

Economic efficiency indicators are calculated in calculation and graphic work construction projects, a comparison of options and an assessment of the project in terms of risk and uncertainty.

Term control is carried out in the form of exam. The overall semester grade is the sum of the points of two components:

- 1) current control during the semester by accumulating points: assessment of learning theoretical (lecture) material, performance of practical work on topics and individual works (calculation and graphic work) - a total of 60 points;
- 2) final control during the examination session (exam) - the number of points from 24 to 40 .points

Information support

Main sources of information

1. Entrepreneurship economics: a textbook / under the editorship of Doctor of Economic Sciences, prof. Frolova L.V.: Bondarenko M.O. – Odesa: ONPU, 2020. 708 p.
2. Economics of the construction enterprise: textbook /author..col.: T.O. Aucklander. I.A. Pedko, O.L. Cambur [etc.]. - K.: Center of educational literature. 2018. 363 p.
3. Economics of construction: education. manual / V. Yu. Nesterenko, T. IN. Dedilova, O. IN. Yurchenko, I. AND. Lathe; Kharkiv. national automobil.-dor. Univ. – Kharkiv: Ivanchenko I. Publishing House. S., 2021. 224 p.
4. Hnatchenko E.Yu. Economics of construction: a summary of lectures. – Kharkiv: XNUMX named after AT. M. Beketova, 2018. 63 p.
5. Zhus O.M., Kulikova L.V., Kambur O.L., Petryshchenko N.A., Seryogina N.V. MV to practical classes and performance of individual work in the discipline: "Economics of the industry" for

students of the "Master's" educational level of the field of knowledge 19 "Architecture and construction" specialty 192 "Construction and civil engineering" OP "Industrial and civil construction" day and correspondence form of education. - Odesa: ODABA, EP Department, 2020. 51.

Additional sources of information

6. Official website of the Verkhovna Rada of Ukraine <http://rada.gov.ua/>
7. State Statistics Service of Ukraine <http://www.ukrstat.gov.ua/>
8. Official website of the Ministry of Economic Development and Trade <http://www.me.gov.ua/>
9. Official website of the Ministry of Regional Development, Construction and Housing <http://www.minregion.gov.ua>