

Bila Tserkva National Agrarian University
Faculty of Economics
Department of Economics and Economic Theory

	<p style="text-align: center;">SYLLABUS OF THE EDUCATIONAL DISCIPLINE «ECONOMICS OF PRODUCTION INFRASTRUCTURE»</p> <p style="text-align: center;">Field of knowledge – 05 «Social and behavioral sciences» Specialty – 051 «Economy» Educational program – «Economy»</p>
Level of higher education	second (master's)
Component of the educational program:	selective
Number of ECTS credits / total number of hours	4 credits / 120 hours
Semester	2
Form of control	test
Language of teaching	English
Profile of the teacher 	<p>Odnorog Maksym Position: Associate Professor of the Department of Economics and Economic Theory Academic rank: associate professor Scientific degree: candidate of economic sciences Workplace: educational building No. 4 (Soborna Square, 8/1), room 122. (department of economics and economic theory). E-mail: maksym.odnorog@btsau.edu.ua Communication with the lecturer: +380979446077</p>
Description of the discipline	<p>The current transformations taking place in the global economy require the training of specialists who have in-depth knowledge of the functioning of the national economy, the laws of its development, the peculiarities of innovative technologies implemented as part of the Industry 4.0 industrial revolution, and their impact on the organization of production. Without such knowledge, it is impossible to train a qualified specialist. Production infrastructure economics is the science of the general fundamentals of economic life in a society with limited resources, economic systems, human relations in the process of social production, the basics of a market economy, the behavior of economic agents, the peculiarities of national economic development, and the functioning of business entities in this system. The discipline is studied to promote the formation of a holistic system of economic knowledge, modern economic thinking, and to provide students with knowledge of economic analysis methods, without which it is difficult to make and implement effective economic decisions.</p>
Prerequisites for studying the discipline	<p>The elective course «Economics of Production Infrastructure» is based on the knowledge of such disciplines as «Business Economics», «Investing», «Finance», «Enterprise Finance», «Enterprise Capital».</p>

The purpose of studying the discipline	The purpose of studying the discipline is to form the economic component of the professional training of future specialists, which integrates their abilities: to analyze the factors of social production and summarize the characteristics of economic systems; to justify the results of economic activity of the enterprise in the market; to analyze macroeconomic problems of the national economy; to study the processes of effective organization and planning of production; to carry out feasibility studies of production processes.
Format of discipline	For full-time students, the discipline is taught in a face-to-face format, using multimedia. If necessary (individual schedules, dual form of study, distance learning, etc.), Moodle and ZOOM platforms can be used. The format of the discipline is mixed: a combination of traditional forms of education with elements of distance learning.
Expected learning outcomes	<ol style="list-style-type: none"> 1. Formulate, analyze and synthesize solutions to scientific and practical problems at the abstract level by decomposing them into components. 2. To collect, process and analyze statistical data, scientific and analytical materials necessary for solving complex economic problems of business. 4. Ability to choose effective methods of economic activity management, to justify the proposed solutions based on relevant data and scientific and applied research. 5. Ability to determine and critically evaluate the state of the business industry and trends in socio-economic development, to form and analyze models of economic systems and processes. 6. Assess possible risks, socio-economic consequences of management decisions in business.
Course structure	<p><i>Content module 1: Economic bases of production and economic activity of the enterprise. Resource provision of the enterprise. Economic results and production efficiency.</i></p> <p>Topic 1.1. Enterprise as a business entity. The economic mechanism of the enterprise.</p> <p>Topic 1.2. Fixed and current assets of the enterprise.</p> <p>Topic 1.3. Personnel and labor productivity. Organization of labor remuneration at the enterprise.</p> <p>Topic 1.4. Production costs and cost of production. Prices and pricing of the enterprise in the market.</p> <p>Topic 1.5. Financial and economic results of the enterprise. Quality and competitiveness of the enterprise's products.</p> <p><i>Content module 2: Fundamentals of organization and planning of production.</i></p> <p>Topic 2.1. Organization of main production at the enterprise in the conditions of Industry 4.0</p> <p>Topic 2.2. Technological and organizational preparation of production.</p> <p>Topic 2.3. Organization of auxiliary production. Organization of maintenance and repair of equipment.</p> <p>Topic 2.4. Forecasting and planning of enterprise activities.</p>
Teaching methods	During the lecture hours, the following methods are used: narration – narrative, descriptive form of disclosure of educational material; explanation – for to reveal the essence of a certain phenomenon, law, process; conversation – to realize new phenomena and concepts through dialogue; illustration – to reveal phenomena and processes

	<p>through their symbolic representation (drawings, diagrams, graphs, slide presentations in Microsoft Office, PowerPoint).</p> <p>During practical classes, the following methods are used: small group work, brainstorming, presentations, project work method, openwork saw.</p> <p>When writing an individual research paper as well as when research method and the «advocato diabolo» technique are used in writing individual research papers and in performing independent work.</p>
Policy	<p>Policy on Academic Integrity: Students' written work is expected to be their original research or reasoning. Detection of signs of academic dishonesty in a student's written work (plagiarism, lack of references to sources used, fabrication, falsification, deception) is grounds for non-credit by the instructor.</p> <p>Attendance Policy: Students are expected to attend all lectures and practical classes of the course. Students are expected to inform the instructor if they are unable to attend. Students make up missed classes according to the teacher's consultation schedule. For objective reasons, training can take place online.</p> <p>Policy on deadlines and retakes: students must meet the deadlines for all types of work.</p> <p>Policy on assignments: responsibility, diligence, and creativity are positively evaluated.</p> <p>Evaluation policy: the means and criteria for evaluation are prescribed in the work program of the discipline posted on the E-learning platform of Bila Tserkva NAU (Moodle).</p>
Recommended sources of information	<p style="text-align: center;">Basic literature</p> <ol style="list-style-type: none"> 1. Methodical instructions for conducting practical classes in the discipline «Economics and Organization of Production» for students of the Faculty of Engineering and Chemistry. Compiled by: Zadolsky A. M., Kukharuk A. D. K.: IVC «Polytechnic Publishing House», 2013. 40 c. 2. Organization of production: textbook / A. I. Yakovlev [et al.] «Kharkiv Polytechnic Institute». Kharkiv : NTU «KHPI», 2016. 436 c. 3. Organization of production: a workshop / T.V. Kravchenko, T.S. Onysenko. «Kyiv University» Publishing House, 2017. 191 c. 4. Skorobohatova N.E. Accounting: a textbook / N.E. Skorobohatova. Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, Publishing house «Polytechnic», 2017. 248 c. 5. State Statistics Service of Ukraine [Electronic resource] – Access mode: http://www.ukrstat.gov.ua/. 6. Ministry of Finance of Ukraine [Electronic resource] – Access mode: http://www.minfin.kmu.gov.ua 7. Ministry of Economic Development and Trade of Ukraine [Electronic resource] – Access mode: http://www.me.gov.ua/