## Bila Tserkva National Agrarian University Faculty of Economics

## **Department of Economics and Economic Theory**

WHATE HAM A TO CHANGE THE PROPERTY OF THE PARTY OF THE PA	SYLLABUS OF THE EDUCATIONAL DISCIPLINE «ECONOMICS OF PRODUCTION INFRASTRUCTURE»  Field of knowledge C1 Social sciences, journalism, information, and international relations Specialty C1 Economics and international economic relations Specialization C1.01 Educational program				
Level of higher education					
Component of the	selective				
educational program:	Scientive				
Number of ECTS	4 credits / 120 hours				
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credits / total number of					
hours					
Semester	2				
Form of control	test				
Language of teaching	English				
Profile of the teacher	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				
Description of the discipline  Description of the discipline	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.  The elective course «Economics of Production Infrastructure» is based				
Prerequisites for studying the discipline	on the knowledge of such disciplines as «Business Economics», «Investing», «Finance», «Enterprise Finance», «Enterprise Capital».				

The purpose of studying	The purpose of studying the discipline is to form the economic					
	component of the professional training of future specialists, which					
the discipline	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.					
	For distance learning, the discipline is taught in a format that combines independent student work and classroom sessions. Students study the					
	main body of material independently, using the provided					
	methodological recommendations, textbooks, and electronic resources.					
	During the training sessions, introductory lectures, practical and					
	consultation classes are held, where key topics of the course are					
	discussed and applied tasks are performed. To support the learning					
	process, electronic educational platforms (Moodle, ZOOM, etc.) are					
	actively used, which provides the possibility of remote consultations,					
	checking individual tasks, and interim knowledge control.					
	The format of teaching the discipline is mixed: it involves a					
	combination of independent study of the educational material with					
	elements of remote interaction between the teacher and the student					
	during the session.					
Competencies in	ZK4. Ability to apply knowledge in practical situations.					
Competencies in	,					
accordance with the	ZK8. Ability to search for, process, and analyze information from					
accordance with the	,					
accordance with the Higher Education	ZK8. Ability to search for, process, and analyze information from various sources.					
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## Course structure Content module 1: Economic bases of production and economic activity of the enterprise. Resource provision of the enterprise. Economic results and production efficiency. Topic 1.1. Enterprise as a business entity. The economic mechanism of the enterprise. Topic 1.2. Fixed and current assets of the enterprise. Topic 1.3. Personnel and labor productivity. Organization of labor remuneration at the enterprise. Topic 1.4. Production costs and cost of production. Prices and pricing of the enterprise in the market. Topic 1.5. Financial and economic results of the enterprise. Quality and competitiveness of the enterprise's products. Content module 2: Fundamentals of organization and planning of production. Topic 2.1. Organization of main production at the enterprise in the conditions of Industry 4.0 Topic 2.2. Technological and organizational preparation of production. Topic 2.3. Organization of auxiliary production. Organization of maintenance and repair of equipment. Topic 2.4. Forecasting and planning of enterprise activities. During the lecture hours, the following methods are used: narration -**Teaching methods** 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 through their representation (drawings, diagrams, graphs, presentations in Microsoft Office, PowerPoint). During practical classes, the following methods are used: small group work, brainstorming, presentations, project work method, openwork saw. 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. Student performance is assessed through ongoing, modular, and final Types of control and assessments. assessment criteria Ongoing assessment of students' knowledge of the academic discipline is conducted orally and in writing. Ongoing assessment of students' knowledge is carried out during lectures and practical classes and aims to check the student's level of preparedness to perform specific work. The objects of ongoing - the student's activity and effectiveness during the semester in studying the course material; - completion of tasks in practical classes; - completion of individual and independent tasks. Modular assessment of knowledge involves identifying the student's level of mastery of the content module material and their ability to apply theoretical knowledge to solve practical situations. The number of points received for each type of academic work in various forms of ongoing assessment is entered into the electronic journal after each assessment event. The final assessment of students' academic performance is carried out in the form of a test. Distribution of points awarded to higher education applicants

Maximum possible number of

points if the final assessment

Practical

classes

Independent

work

Modular

control

Total

score

Final

assessment

	form							
	Credit	30	30	40		100		
	Grading scale for higher education students							
	On a 100-point scale	On a scale ECTS	exam	On the nation	nal scale credit			
	90-100	A	Excellent  Good  Satisfactory		Credited			
	82-89	В						
	75-81 64-74	C D						
	60-63	Е						
	35-59	FX	Unsatisfactory (	failed) with the exan	the possibility of retaking the			
	1-34	F	Unsatisfac	tory (failed) w	) with mandatory retake			
Percentage	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 noncredit by the instructor.  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.  Policy on deadlines and retakes: students must meet the deadlines for all types of work.  Policy on assignments: responsibility, diligence, and creativity are positively evaluated.  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).							
Recommended sources of information	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/							