



Syllabus of the course

«Organisation of business in Industry 4.0»

Specialty	<i>All</i>
Study Programme	<i>All</i>
Study cycle (Bachelor, Master, PhD)	<i>the first (Bachelor) level of higher education</i>
Course status	<i>elective</i>
Language	<i>English</i>
Term	<i>first year first semester or first year second semester</i>
ECTS credits	<i>5</i>
Workload	<i>Lectures – 30 hours.</i> <i>Practical studies – 30 hours.</i> <i>Laboratory studies – 0 hours.</i> <i>Self-study – 90 hours.</i>
Assessment system	<i>Grading</i>
Department	<i>Department of Entrepreneurship, Trade and Tourism Business, Nauky Ave., Kharkiv, office 316, phone 38(057)758-77-26 (add. 451)</i>
Teaching staff	<i>Olena Stryzhak, PhD in Economics, Associate professor</i>
Contacts	ssssellennnn@gmail.com
Course schedule	<i>Lectures: according to the schedule</i> <i>Practical studies: according to the schedule</i>
Consultations	<i>At the Department of Entrepreneurship, Trade and Tourism Business, offline, according to the schedule, individual, PNS chat.</i>
Learning objectives and skills: <i>of the discipline is to develop a system of theoretical knowledge and practical skills in organising and doing business in the context of Industry 4.0</i>	
Structural and logical scheme of the course	
Prerequisites	Postrequisites
-	-
-	-
Course content	
Module 1: Basic functions of MS Excel	
Topic 1. General principles of working with functions of MS Excel. Financial functions as a means of monitoring and planning the company's investments	
Topic 2. Complex formulas in MS Excel	
Topic 3. Organization of checking the correctness of the contents of cells in MS Excel, the Special Paste tool	
Topic 4. Data analysis and forecasting in MS Excel	
Topic 5. Tabular arrays and working with arrays in MS Excel	
Module 2: Add-ons in MS Excel. Working with macros and VBA	
Topic 6. Add-in MS Excel: goal-seek. Sorting, filtering and summarizing	
Topic 7. Add-in for MS Excel: Data analysis	
Topic 8. Add-in MS Excel Solver. Solving optimization problems	



Topic 9. The basis of working with macros

Topic 10. The basis of work with Visual Basic for Application

Teaching environment (software)

Multimedia projector, S. Kuznets PNS, Corporate Zoom system

Assessment system

Assessment of students' learning outcomes is carried out by the University according to the cumulative 100-point system.

Current control is carried out during lectures and practical (seminar) classes and aims to assess the level of students' readiness to perform particular tasks, and is assessed by the amount of scored points.

The maximum amount during the semester – 100 points; the minimum amount required is 60 points.

Current control includes the following assessment methods: performance and defense of laboratory works, written tests.

More detailed information on assessment and grading system is given in the technological card of the course.

Course policies

Teaching of the academic discipline is based on the principles of academic integrity.

Violation of academic integrity includes academic plagiarism, fabrication, falsification, cheating, deception, bribery, and biased assessment.

Educational students may be brought to the following academic responsibility for breach of academic integrity: repeated assessment of the corresponding type of learning activity.

More detailed information about competencies, learning outcomes, teaching methods, assessment forms, self-study is given in the Course program.