

HIGHER EDUCATIONAL INSTITUTION OF THE UKOOSPILKA  
"POLTAVA UNIVERSITY OF ECONOMICS AND TRADE"

Scientific and educational institute of full-time education  
Department of Commodity Research, Biotechnology, Expertise and Customs

**SILABUS**

of the academic discipline  
**"National and international regulation of food security"**  
for the academic year 2022-2023

Course and semester of study	4th year, 8th semester
Educational program / specialization	"Biotechnology"
Specialization	162 "Biotechnology and bioengineering"
Field of knowledge	16 "Chemical and bioengineering"
Degree of higher education	Bachelor's degree

Full name of the academic staff member  
who teaches this discipline,  
academic degree and academic title,  
position

**Olena Goryachova**  
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Schedule of training sessions	<a href="http://schedule.puet.edu.ua/">http://schedule.puet.edu.ua/</a>
Consultations	offline <a href="http://www.tpt.puet.edu.ua/stud.php">http://www.tpt.puet.edu.ua/stud.php</a> online: by e-mail, Mon-Fri from 9.00-16.00
Distance learning course page	<a href="https://el.puet.edu.ua/">https://el.puet.edu.ua/</a>

**Description of the course**

<b>The purpose of studying the discipline</b>	Gaining knowledge about the policies of Ukraine and other countries aimed at ensuring stable production of safe food, accessibility of food and its use by the population in accordance with physiological consumption norms at the expense of domestic production and imports, and actions to ensure an adequate level of food security in the country.
<b>Duration</b>	For 3 ECTS credits/90 hours (lectures 16 hours, practical classes 20 hours, independent work 54 hours).
<b>Forms and methods of teaching</b>	Lectures and practical classes in the classroom and on-site, independent work outside the schedule using methods of situational analysis, description and explanation, infographics and demonstrations.
<b>System of current and final control</b>	Current control: attendance at classes; homework; discussion of class material; completion of learning tasks; reports with abstracts and their discussion; testing; current module work Final control: credit (FMC)
<b>Basic knowledge</b>	Basic knowledge of food safety, standardization and certification.
<b>Language of instruction</b>	Ukrainian

**List of competencies provided by this course, program learning outcomes**

<b>Program learning outcomes</b>	<b>Competencies to be acquired</b>
<ul style="list-style-type: none"> <li>- be able to apply the provisions of regulatory documents governing the procedure for product certification, production certification, requirements for the organization of quality</li> </ul>	<ul style="list-style-type: none"> <li>- ability to apply knowledge in practical situations (GC01);</li> <li>- ability to learn and master modern knowledge (GC05);</li> </ul>

<b>Program learning outcomes</b>	<b>Competencies to be acquired</b>
<p>management systems at enterprises, rules for the preparation of technical documentation and technological process based on the knowledge gained during practical training (PLO 04);</p> <ul style="list-style-type: none"> <li>- to be able to analyze regulatory documents (state and industry standards, specifications, guidelines, etc.), to draw up separate sections of technological documentation for biotechnological products for various purposes, to analyze technological situations, to choose rational technological solutions (PLO 05);</li> <li>- be able to formulate tasks for the development of production systems for biotechnological products for various purposes (PLO21);</li> <li>- to be able to take into account social, environmental, ethical, economic aspects, requirements of labor protection, occupational health and fire safety in the formation of technical solutions (PLO 22);</li> <li>- to be able to use fundamental concepts and categories of state-building in production and social activities to substantiate their own worldview positions and political beliefs, taking into account the processes of socio-political history of Ukraine, legal principles and ethical norms (PLO 23).</li> </ul>	<ul style="list-style-type: none"> <li>- skills to carry out safe activities (GC06);</li> <li>- desire to preserve the environment (GC07);</li> <li>- ability to analyze regulatory documents necessary for the implementation of engineering activities in the field of biotechnology (SC03);</li> <li>- ability to analyze raw materials, materials, intermediates, target products of biotechnological production (SC06);</li> <li>- ability to comply with the requirements of biosafety, biosecurity and bioethics (SC15);</li> <li>- the ability to organize and conduct professional activities in compliance with the principles of bioethics, scientific ethics, modern conventions for the protection of life and the environment, to realize and take personal responsibility for the results of the study (SC17).</li> </ul>

### **Topical plan of the course**

<b>Title of the topic</b>	<b>Types of work</b>	<b>Tasks for independent work by topic</b>
<i>Module 1: State regulation of food security in Ukraine</i>		
Topic 1: Concept, essence, main characteristics of food security.	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
Topic 2. Legal regulation of food security in Ukraine	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
Topic 3. Non-governmental methods of food security regulation	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
Topic 4. Means of ensuring food security	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
Topic 5. Problems of food security regulation in Ukraine.	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
<i>Module 2. International regulation of food security</i>		
Topic 6: World food security. The global food problem	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
Topic 7. International legal regulation of food security within the UN and its specialized agencies	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
Theme 8: International legal regulation of food security within the World	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.

Title of the topic	Types of work	Tasks for independent work by topic
<i>Module 1: State regulation of food security in Ukraine</i>		
Trade Organization		
Theme 9. Regulation of food security in the EU	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.
Topic 10. Organic production and food security. Confirmation of food safety.	Attendance at classes; defense of homework; discussion of class material; completion of learning tasks; independent work tasks; testing.	Independent work: with educational and methodological literature: note-taking, summarizing, annotating; solving problems, writing reports and abstracts.

### References

1. EU actions to enhance global food security: Electronic resource - access mode: [https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/stronger-europe-world/eu-actions-enhance-global-food-security\\_en#:~:text=global%20food%20security,-EU%20actions%20to%20enhance%20global%20food%20security,-Strengthening%20food%20systems](https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/stronger-europe-world/eu-actions-enhance-global-food-security_en#:~:text=global%20food%20security,-EU%20actions%20to%20enhance%20global%20food%20security,-Strengthening%20food%20systems)
2. Food security challenges in an EU context. Electronic resource - access mode: <https://read.organicseurope.bio/publication/eu-food-and-farming-policy-and-food-security/food-security-challenges-in-an-eu-context/>
3. Food Safety. Electronic resource - access mode: [https://food.ec.europa.eu/horizontal-topics/general-food-law\\_en](https://food.ec.europa.eu/horizontal-topics/general-food-law_en)
4. Anastasia S. Konovalenko. State Regulation in the System of Managing Food Security of Children. [https://mer.fem.sumdu.edu.ua/content/acticles/issue\\_43/Anastasia\\_S\\_KonovalenkoState\\_Regulation\\_in\\_the\\_System\\_of\\_Managing\\_Food\\_Security\\_of\\_Children.pdf](https://mer.fem.sumdu.edu.ua/content/acticles/issue_43/Anastasia_S_KonovalenkoState_Regulation_in_the_System_of_Managing_Food_Security_of_Children.pdf)
5. Hilal Elver. The Oxford Handbook of the International Law of Global Security (2021). <https://doi.org/10.1093/law/9780198827276.003.0028> Pages 484–C27.
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7. Ukrainian Food Security Platform as a tool to address global food crisis. Electronic resource - access mode: <https://dpss.gov.ua/en/news/ukrainian-food-security-platform-tool-address-global-food-crisis>
8. Russia's war on Ukraine: Impact on food security and EU response. Electronic resource - access mode: [https://www.europarl.europa.eu/RegData/etudes/ATAG/2022/729367/EPRS\\_ATA\(2022\)729367\\_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/ATAG/2022/729367/EPRS_ATA(2022)729367_EN.pdf)
9. Food Security & Livelihoods Assessment in Eastern Ukraine, GCA. Electronic resource - access mode: [https://fscluster.org/sites/default/files/documents/eastern\\_ukraine\\_gca\\_food\\_security\\_and\\_livelihood\\_final-ready\\_to\\_print.pdf](https://fscluster.org/sites/default/files/documents/eastern_ukraine_gca_food_security_and_livelihood_final-ready_to_print.pdf)
10. Nadia El-Hage Scialabba. Organic agriculture and food security. Electronic resource - access mode: [https://www.researchgate.net/publication/337199546\\_ORGANIC\\_AGRICULTURE\\_AND\\_FOOD\\_SECURITY](https://www.researchgate.net/publication/337199546_ORGANIC_AGRICULTURE_AND_FOOD_SECURITY)

### Software of the course

- - Microsoft Office software package.

### Policy of studying the discipline and assessment

- Policy on deadlines and retakes: assignments that are submitted late without valid reasons are assessed at a lower grade (75% of the possible maximum number of points for the activity). Rescheduling of modules takes place with the permission of the lead teacher if there are valid reasons (e.g., sick leave).
- Academic integrity policy: cheating during current module work and testing is prohibited (including the use of mobile devices). Mobile devices are allowed to be used only during online testing and preparation of practical tasks in the classroom.
- Attendance policy: Attendance is a mandatory component of the course. For objective reasons (e.g., illness, employment, internship), training can take place online (Moodle) with the consent of the lead teacher.
- Policy of crediting non-formal education results: <http://puet.edu.ua/uk/publiczna-informaciya>

### Evaluation

The final grade for the discipline is calculated through the current assessment

<b>Types of work</b>	<b>Maximum number of points</b>
Module 1 (topics 1-5): attendance (5 points); defense of homework (5 points); completion of learning tasks (5 points); independent work (5 points); testing (10 points); current module work (20 points)	50
Module 2 (topics 6-10): attendance (5 points); defense of homework (5 points); completion of learning tasks (5 points); independent work (5 points); testing (10 points); current module work (20 points)	50
Total	100

### Scale of evaluation of higher education students based on the results of studying the discipline

<b>Sum of points for all types of learning activities</b>	<b>ECTS grade</b>	<b>Score on the national scale</b>
90-100	A	Excellent
82-89	B	Very good
74-81	C	Good
64-73	D	Satisfactory
60-63	E	Satisfactory enough
35-59	FX	Unsatisfactory with the possibility of repeating
0-34	F	Unsatisfactory with mandatory re-study of the discipline