


**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
Ivan Franko National University of Lviv Faculty of Economics
Department of Management**

Затверджено

На засіданні кафедри менеджменту
економічного факультету
Львівського національного
університету імені Івана Франка
(протокол № 1 від 30 серпня 2024 р.)

Завідувач кафедри 
проф. Олександр КУНДИЦЬКИЙ

**Syllabus for the academic discipline
"SOCIO-ECONOMIC FORECASTING OF THE DEVELOPMENT OF THE
FOOD SECTOR",
taught as part of the educational and scientific program "MANAGEMENT" of the
third
(educational and scientific) level of higher education for applicants in the specialty
073 "Management"**

Lviv 2024

Course title	SOCIO-ECONOMIC FORECASTING OF THE DEVELOPMENT OF THE FOOD SECTOR
Course location	79000 Ukraine Lviv Lviv Svobody Ave. Svobody, 18, Faculty of Economics Faculty of Ivan Franko National University of Lviv
Faculty and department responsible for the discipline	Faculty of Economics Department of Management
Field of knowledge, code and name of specialty	07 "Management and Administration" 073 "Management"
Course instructors	SENYSHYN Oksana Stepanivna, Doctor of Economics, Professor, Professor of the Department of Management
Contact information of teachers	okšana.senyshyn@lnu.edu.ua ; okssenysyn@gmail.com ; Teacher's page http://econom.lnu.edu.ua/employee/senyshyn-o-s Work address: 18 Svobody Ave., Lviv, room 304.
Consultations on the course take place	Every Monday, 11:00 a.m. – 1:30 p.m. (address of the Faculty of Economics: 79000, Ukraine, Lviv, Svobody Ave., 18, room 304) Consultations are also held on lecture days (by prior arrangement). Online consultations via Skype or similar resources are also possible. To arrange a time for an online consultation, please email or call the instructor.
Course page	https://econom.lnu.edu.ua/academics/postgraduates
Course informatio	The discipline "SOCIO-ECONOMIC FORECASTING OF THE DEVELOPMENT OF THE FOOD SECTOR" is the final elective discipline in the specialty 073D Management for the educational program "ORGANIZATIONAL MANAGEMENT AND ADMINISTRATION," which is taught in the 4th semester with a volume of 3 credits (according to the European Credit Transfer System ECTS).
Brief course annotation	The course is designed to to provide participants with the necessary knowledge of fundamentally new, well-founded approaches to the urgent solution of tasks facing the country's economy, primarily to the implementation of specific, well-thought-out effective, practical steps in the field of socio-economic forecasting on the way to establishing Ukraine as an equal and integral part of the world community. Therefore, the course pays special attention to the use of modern scientific methodology for researching socio-economic forecasting in the real practice of the Ukrainian food sector, specifically those that can already serve as the necessary methodological tools for solving complex economic problems and developing and adopting effective management decisions related to both food and national security in genera
Purpose and goals of the course	The purpose of teaching the academic discipline "Socio-economic forecasting of the food sector's development" is for students of the Faculty of Economics to study and master the general theoretical, methodological, and practical provisions that form the basis for revealing the content of the academic course "Socio-economic forecasting of the food sector's development". The main tasks of studying the discipline "Socio-economic economic forecasting of the food sector" are: - to study the main theoretical and methodological foundations of the formation of the SEF system;

	<ul style="list-style-type: none"> - analysis of the patterns of macroeconomic state planning; - mastering the methodological and organizational foundations of business planning; - research into the category of crises in the context of socio-economic forecasting; - study of methodology research socio-economic forecasting of PC as an organizational and management system; - analysis of the processes of forecasting the socio-economic development of regions; - studying global experience in state regulation of agri-food complex development and prospects for its application in Ukraine; - application economic and mathematical modeling in forecasting the development of the domestic food complex.
<p>Literature for studying the discipline</p>	<p>Main literature:</p> <ol style="list-style-type: none"> 1. Senyshyn, O.S. State policy in the field of organic production in developed countries of the world. Agrosvit: printed scientific professional publication of Ukraine on economic issues. No. 15, 2023. Pp. 3-10. Retrieved from: https://nayka.com.ua/index.php/agrosvit/article/view/1911 , Article DOI: https://doi.org/10.32702/2306-6792.2023.15.3 [Publication included in the Index Copernicus International scientometric database]. 2. Senyshyn, O. S. Economic and mathematical tools for improving the efficiency of the development of the food market in the region / O. S. Senyshyn, N. O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014. P. 79-122. 3. Senyshyn, O. S. Socio-economic forecasting of the development of the food complex of Ukraine: [monograph] / O. S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p. 4. Senyshyn, O.S., Mayovets, E.Y., and Khich, R.Y. The milk processing industry of Ukraine as an object of strategic marketing planning. Effective Economy. Electronic journal. 2023. No. 1. (2023). URL: https://www.nayka.com.ua/index.php/ee/article/view/1008/1018. [The journal is included in the international scientometric database Index Copernicus International]. 5. Senyshyn O.S., Khich R.Ya. State support for the development of the dairy industry in Ukraine as a key element of the strategic marketing planning system. Agrosvit. 2024. No. 15. Pp. 23-35. [The publication is included in the scientometric database Index Copernicus International]. https://www.nayka.com.ua/index.php/agrosvit/article/view/4278/4313. 6. Urba S.I., Senyshyn O.S. The impact of war on the development of agribusiness in Ukraine. Formation of a market economy in Ukraine: scientific collection. Issue 50. Lviv: Ivan Franko National University of Lviv, 2023. Pp. 87-97. [The publication is included in the Index Copernicus International scientometric database]. http://publications.lnu.edu.ua/collections/index.php/economics/article/view/4380/4865. 7. Yatsura V. V., Senyshyn O. S., Horyn M. O. Socio-economic forecasting: Textbook. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2010. 412 p. 8. Mayovets Ye.Yo., Senyshyn O.S., Khich R.Ya. Strategic marketing development of milk processing industry of Ukraine. Formation of a market economy in Ukraine: scientific collection. Issue 51. Lviv: Ivan Franko National University of Lviv, 2024. P. 47-56. [The publication is included in the scientometric database <i>Index Copernicus International</i>]. http://publications.lnu.edu.ua/collections/index.php/economics/article/view/4437/4880.

9. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytskyj, O. Klepanchuk // Journal of Competitiveness: scientific periodical journal. – Issue 11(2) . – Czech Republic: Tomas Bata University in Zlin Centre, 2019. – P. 130-143. <http://doi.org/10.7441/joc.2019.02.09>[Видання включено до наукометричної бази *Scopus, Web of Science, Q1*]

10. Senyshyn O., Kundytskyj O., & Zlydnyk M. (2020). CONCEPT OF PRODUCT COMPETITIVENESS MANAGEMENT SYSTEM AND PRINCIPAL SCIENTIFIC APPROACHES TO ITS UNDERSTANDING. Management Theory and Studies for Rural Business and Infrastructure Development, 42(2), 2020. P. 157-170. Retrieved from <https://ejournals.vdu.lt/index.php/mtsrbid/article/view/957>[Видання включено до наукометричної бази *Web of Science, Q4*]

11. Senyshyn O.S., Kundytskyj O.O., Mayovets Ye.Yo., Horodniak I.V., Zhuk O.P. Organic potential of Ukraine in the system of organic production of the European countries. Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal. Lithuania: Vytautas Magnus University, 2023. Vol. 45. № 1. P. 79-93. Retrieved from <https://ejournals.vdu.lt/index.php/mtsrbid/article/view/2971/2687>. [Видання включено до наукометричної бази *Web of Science, Q4*] Article DOI: <https://doi.org/10.15544/mts.2023.09>; eISSN 2345-0355.

12. Senyshyn O.S., Urba S., Zamroz M., Shparyk Ya. Assessment of export capacity of agricultural sector in the context of international competitiveness. Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal. Lithuania: Vytautas Magnus University, 2023. Vol.45. № 1. P. 67-78. Retrieved from <https://ejournals.vdu.lt/index.php/mtsrbid/article/view/957>. [Видання включено до наукометричної бази *Web of Science, Q4*] Article DOI: <https://doi.org/10.15544/mts.2023.08>; eISSN 2345-0355.

13. Senyshyn O.S., Kundytskyj O.O., Khich R.Ya., Goryn M.O., Chopko N.S., Zamroz M.B. Applying Marketing Strategic Planning Tools to Evaluate the Growth Potential of Ukraine's Dairy Industry. *Research on World Agricultural Economy*. 2025. Vol. 6 (4). P. [Видання включено до наукометричної бази *Scopus, Web of Science, Q3*].

Additional literature:

1. Glivnenko S.V., Sokolov M.O., Telizhenko O.M. Economic Forecasting: A Textbook. Sumy: VTD "University Book", 2004.

2. Hrabovetskyi B.E. Economic Forecasting and Planning: Textbook. Kyiv: TUL, 2003.

3. Yerina A.M. Statistical Modeling and Forecasting. Kyiv: KNEU, 2001.

4. Mayovets E.Y., Senyshyn O.S., Khich R.Y. Development of the dairy industry in Ukraine: prospects for strategic marketing planning. Scientific Bulletin of Uzhhorod National University. Series: International Economic Relations and World Economy. Issue 43. Uzhhorod: Helvetica Publishing House, 2022. Pp. 97-104.

5. Minchenko M.V., Chizhov L.P., Frolkov A.V. Planning and Forecasting Socio-Economic Development of Regions: Textbook. Sumy: VTD "University Book," 2004.

6. Panasuk B.Y. Forecasting and regulating economic development. Kyiv: Polygraphbook, 1998.

7. Pashuta M.T., Kalina A.V. Forecasting and macroeconomic planning: Textbook. Kyiv: MAUP, 1998.

8. Planning and Forecasting in Market Conditions. Textbook / Ed. 5 ed. V.G. Voronkova. Kyiv: VD "Professional", 2006.

9. Forecasting and Program Development. Methodological Recommendations / Ed. by V.F. Besedin. Kyiv: Scientific World, 2000.

10. Ravikovich, E.I., Pryslenko, G.V. Macroeconomic Forecasting: Textbook. Kyiv: KNEU, 2002.

	<p>11. Senyshyn, O. S. Economic and mathematical tools for improving the efficiency of the development of the food market of the region / O. S. Senyshyn, N. O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014. P. 79-122.</p> <p>12. Senyshyn, O. S. Social development of Ukrainian villages as a prerequisite for achieving sustainable economic development of the country / O. S. Senyshyn // Current problems of Ukraine's economic development: [monograph] / edited by R. I. Trynka, Ya. S. Pitsura. Lviv: Liga-Pres, 2014. Pp. 204-233.</p> <p>13. Senyshyn, O. S. World experience of state support for the development of the agrifood complex: methodology and prospects for its application in Ukraine / O. S. Senyshyn, L. M. Tomanevych. Current problems of Ukraine's economic development: [monograph] / edited by R. I. Trynko, Ya. S. Pitsur. Lviv: Liga-Press, 2014. Pp. 117–137.</p> <p>14. Senyshyn O. S. Ukraine's organic potential in the organic production system of European countries. Economic Space: Collection of scientific works. No. 171/2021. Dnipro: Helvetica Publishing House, 2021. Pp. 22–31.</p> <p>15. Senyshyn, O.S. Organic production in the agri-food production system in Ukraine. Scientific Bulletin of Uzhhorod National University. Series: International Economic Relations and World Economy. Issue 36/2021. Uzhhorod: Helvetica, 2021. Pp. 140–146.</p> <p>16. Senyshyn O.S., Kutsyk P.O., Kundytskyi O.O., Zlydnyk M.I. Using the positive experience of developed countries in regulating agri-food markets in Ukraine. Formation of a market economy in Ukraine: scientific collection. Issue 44. Lviv: Ivan Franko National University of Lviv, 2020. Pp. 3-15.</p> <p>17. Senyshyn O.S., Urba S.I. Using taxonomic analysis to assess Ukraine's organic potential in the organic production system of European countries. Formation of a market economy in Ukraine: scientific collection. Issue 45. Lviv: Ivan Franko National University of Lviv, 2021. Pp.3-18.</p> <p>18. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytskyj, O. Klepanchuk. <i>Journal of Competitiveness: scientific periodical journal</i>. Issue 11(2) . Czech Republic: Tomas Bata University in Zlin Centre, 2019. P. 130-143. http://doi.org/10.7441/joc.2019.02.09.</p> <p>19. Senyshyn O., Kundytskyj O., & Zlydnyk M. (2020). CONCEPT OF PRODUCT COMPETITIVENESS MANAGEMENT SYSTEM AND PRINCIPAL SCIENTIFIC APPROACHES TO ITS UNDERSTANDING. <i>Management Theory and Studies for Rural Business and Infrastructure Development</i>, 42(2), 2020. P. 157-170. Retrieved from https://ejournals.vdu.lt/index.php/mtsrbid/article/view/957.</p> <p>20. Senyshyn O.S., Kundytskyj O.O., Mayovets Ye.Yo., Horodniak I.V., Zhuk O.P. Organic potential of Ukraine in the system of organic production of the European countries. <i>Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal</i>. Lithuania: Vytautas Magnus University, 2023. Vol. 45. № 1. P. 79-93.</p> <p>21. Senyshyn O.S., Urba S., Zamroz M., Shparyk Ya. Assessment of export capacity of agricultural sector in the context of international competitiveness. <i>Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal</i>. Lithuania: Vytautas Magnus University, 2023. Vol.45. № 1. P. 67-78.</p>
Course duration	1 semester, 90 hours
Course volume	3 credits, 90 hours, 48 classroom hours (32 hours - lectures, 16 hours - practical classes), 42 hours - independent work.
Expected learning outcomes	<p>Upon completion of this course, students will:</p> <p>know:</p> <ul style="list-style-type: none"> - basic methodological foundations and structural elements of the theory of scientific knowledge - the basic patterns and principles of the development of modern interdisciplinary managerial scientific knowledge; - the categorical apparatus of scientific research methodology;

	<p>- methodological and organizational foundations of expert evaluation of scientific projects and programs; existing features of the methodology of theoretical and applied analysis of current scientific problems</p> <p>be able to:</p> <ul style="list-style-type: none"> - apply the categorical apparatus of scientific research methodology. Understand the systemic-synergistic approach to solving theoretical and applied problems of management science; - conduct expert evaluation of scientific projects and programs. Ability to generate new scientific ideas and development models; - present the results of scientific research at scientific seminars, in speeches at scientific conferences, participation in scientific discussions, etc.; - Identify current scientific problems, conduct their theoretical and applied analysis, and outline directions for their solution. - conducting one's own scientific activity, improving one's professional knowledge and skills, and developing the personal qualities of a scientific researcher <p>Integral competence (IC). The ability to generate new ideas, solve complex problems in the field of management and administration, which requires a profound rethinking of existing knowledge and the creation of new holistic knowledge and/or professional practice, apply the latest methodologies of scientific and pedagogical activity, conduct one's own scientific research, the results of which have scientific novelty, theoretical and practical significance</p> <p>General competencies acquired in the process of studying this discipline (GC): GC02. Ability to search for, process, and analyze information from various sources</p> <p>Special competencies acquired in the process of studying this discipline (SC): SK04. Ability to initiate, develop, implement, and manage scientific projects in management and related interdisciplinary areas and/or prepare proposals for funding scientific research and registering intellectual property rights.</p> <p>Program learning outcomes (PLO): LR01. Apply modern tools and technologies for searching, processing, and analyzing information, in particular, statistical methods for analyzing large volumes and/or complex structures of data, specialized databases, and information systems. PR04. Develop and implement scientific and applied projects that make it possible to rethink the existing and create new holistic knowledge and/or professional practice in the field of management and administration and solve significant scientific and technological problems in management in compliance with academic ethics and taking into account social, ethical, economic, environmental, and legal aspects RN09. Ability to apply modern management techniques and methodologies to solve problems and situations in the management activities of an enterprise or organization.</p>
Key words	Food sector; food complex; food; food products; socio-economic forecasting of the food sector's development; methodology of socio-economic forecasting; food security; level of self-sufficiency in food products.
Course format	Day/evening
Topics	Lectures, laboratory work, and consultations for a better understanding of the topics Topics are presented in the course outline below
Final assessment, form	end-of-semester written exam
Prerequisites	To study the course, students need basic knowledge in such disciplines as socio-economic forecasting, economic diagnostics, state regulation of the economy, and others sufficient for understanding the categorical apparatus of this course and scientific sources on such issues.

Teaching methods and techniques that will be used during the course	Presentations, lectures, comprehensive modules and assignments; electronic materials from the relevant course and other related courses in the Moodle system (platform), collaborative learning (group projects, joint developments), project-oriented learning, discussion, writing joint scientific papers and developments																																																																
Required equipment	Studying the course "Socio-economic forecasting of the food sector development" requires the use of commonly used programs and operating systems and electronic materials of the Moodle platform																																																																
Criteria Assessment (separately for each type of educational activity)	<p>Assessment is carried out on a 100-point scale Points are awarded according to the following ratio:</p> <ul style="list-style-type: none"> • current performance: 20% of the semester grade; maximum number of points – 20. • modular assessment: 20% of the semester grade; maximum number of points – 20. • individual assignment: 10% of the semester grade; maximum number of points – 10. • Exam: 50% of the semester grade. Maximum number of points – 50 <p>The total maximum number of points is 100.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Criteria for assessing the knowledge of graduate students</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Rating points</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Maximum number of points</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">Current performance points for participation in seminars (4 answers worth 5 points each) – 20 points</td> <td></td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">Assessment criteria</td> <td colspan="2" style="text-align: center;">20 points</td> </tr> <tr> <td>he graduate student has a thorough grasp of the course material, freely and independently reasonably during oral presentations and written answers, deeply and comprehensively reveals the content of theoretical issues and practical tasks, using the required and additional literature. Correctly solved all test tasks correctly</td> <td></td> <td style="text-align: center;">5</td> <td></td> </tr> <tr> <td>The graduate student has a sufficient command of the educational material, presents it reasonably during oral presentations and written answers, and generally reveals the content of theoretical questions and practical tasks, using the required literature. However, when presenting some issues, there is a lack of sufficient depth and argumentation, with some minor inaccuracies and insignificant errors. Correctly solved most of the test tasks</td> <td></td> <td style="text-align: center;">4</td> <td></td> </tr> <tr> <td>The graduate student generally has a good grasp of the material and presents its main content during oral presentations and written responses, but without in-depth comprehensive analysis, justification, and argumentation, and without using the required literature, while making some significant inaccuracies and errors. Correctly solved half of the test tasks..</td> <td></td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td>The graduate student does not fully master the educational material. He/she presents it fragmentarily and superficially (without argumentation and justification) during oral presentations and written answers, does not sufficiently reveal the content of theoretical questions and practical tasks, while making significant inaccuracies, and correctly solved a minority of test tasks.</td> <td></td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td>The student does not master the material.</td> <td></td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">3. 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1. First level (10 tasks) – multiple-choice tasks – test tasks.
 A multiple-choice task is considered to be completed correctly if the correct answer is recorded on the test card. Each correctly completed task is awarded **0.2 points. (maximum $10 \times 0.2 = 2$ points).**

2. Second level (6 tasks) – short answer tasks.
 Short-answer questions are considered correct if the student has provided the correct definitions, references, interpretations, or short comments. For each correctly completed task, the student is awarded **0.5 points. (maximum $6 \times 0.5 = 3$ points).**

3. The third level (2 tasks) consists of tasks with detailed answers (full justification of the answer).
 These tasks require consistent, logical explanations, necessary references, and facts from which a particular statement follows. If necessary, thoughts should be illustrated with diagrams, graphs, and tables. Assessment of third-level tasks **2.5 points: (maximum $2.5 \times 2 = 5$ points)**

4. Exam

50

The semester exam as a form of final assessment is mandatory for all students.
 The exam paper contains three tasks of three levels of difficulty. The first level consists of two theoretical questions, each worth **10 points (maximum $10 \times 2 = 20$ points).**

The second level consists of 20 multiple-choice questions. Students receive 1 point for each correctly answered question (maximum $20 \times 1.0 = 20.0$ points).

Third level – practical situational task with a complete solution and explanation of the answers obtained. In these tasks, it is necessary to write down the formulas for calculations, the sequential and logical actions of all calculations, give the units of measurement of the obtained indicators, and make the appropriate conclusions. For this correctly completed task, the graduate student is awarded **10 points.**

The exam result depends on the total number of points scored. **The grade received on the exam is final**

Written assignments: Students are expected to complete an individual written assignment.

Academic integrity: Students are expected to produce original research or reasoning in their work. Failure to cite sources, fabrication of sources, plagiarism, and interference in the work of other students are examples of possible academic misconduct, but are not limited to these. Evidence of academic dishonesty in a student's written work is grounds for the instructor to fail the assignment, regardless of the extent of plagiarism or cheating.

Attendance is an important part of learning. All students are expected to attend all lectures and practical classes of the course. Students must inform the teacher if they are unable to attend a class. In any case, students are required to meet all deadlines for all types of written work required by the course.

Literature. All literature that students are unable to find on their own will be provided by the instructor for educational purposes only, without the right to transfer it to third parties. Students are encouraged to use other literature and sources not included in the recommended list.

Grading policy. Grades are based on current tests, independent work, and final tests. At the same time, attendance at classes and student activity during practical classes are taken into account; absences and tardiness are not allowed; the use of mobile phones, tablets, or other mobile devices during class for purposes not related to learning is not allowed; cheating and plagiarism are not allowed; late completion of assigned tasks is not allowed, etc

Grading scale: national and ECTS

Total points for all types of academic activity	ECTS grade	National scale grade	
		for exams, course projects (assignments), internships	for assessment
90 – 100	A	excellen	

	81-89	B	good	pass
	71-80	C		
	61-70	D	satisfactory	
	51-60	E		
	0-50	FX	unsatisfactory with the possibility of retaking	not counted with possibility retake
Exam questions	<ol style="list-style-type: none"> 1. The essence and structural and functional characteristics of the food complex of Ukraine 2. The place of socio-economic forecasting in the functional structure of the mechanism for the development of the domestic food complex 3. Features structure natural resource potential development of the food complex 4. Socio-economic forecasting as a tool for researching needs and opportunities for their prediction 5. Methodology research of socio-economic forecasting as organizational and management system 6. Extrapolation forecasting methods as a tool for forming an optimal program for the development of the domestic food complex 7. The food complex in the system of agro-industrial production in Ukraine 8. Analytical assessment of the state of the market for livestock products and the level of consumption of food products in Ukraine 9. Research on the market for milk and dairy products 10. Analysis of the meat and meat products market 11. Research on the prospects for the development of the food market for crop products 12. Market for grain, legumes, and processed products 13. Sugar market 14. Market for edible fats 15. Potato, vegetable, fruit, and berry market 16. The priority importance of food security in the process of forming the country's national security system 17. Social development of rural areas as a prerequisite for achieving food security in Ukraine 18. Global experience in state regulation of the agri-food complex and prospects for its application in Ukraine 19. Prognostic assessment of the growth of the export potential of Ukraine's food complex 20. Ways to increase the competitiveness of domestic food products on world markets 21. Socio-economic forecast of the food complex's role in meeting the food needs of Ukraine's population 			
Survey	An evaluation questionnaire will be provided at the end of the course to assess its quality.			

EDUCATIONAL COMPONENT SCHEME

Discipline: SOCIO-ECONOMIC FORECASTING OF THE DEVELOPMENT OF THE FOOD SECTOR

Scope: 3 credits, 4th semester (90 hours: 32 hours of lectures, 16 hours of practical work, 42 hours of independent work)

Form of final assessment: exam (written)

Week	Topic, plan, brief abstracts	Form of activity (class)	Literature, online resources	Assignments, hours	Completion date
Content module 1. THEORETICAL AND METHODOLOGICAL BASIS FOR RESEARCHING THE FOOD SECTOR IN UKRAINE					
1-3	<p>Topic 1 Theoretical and methodological principles research on the food complex of Ukraine</p> <p>1.1. The essence and structural and functional characteristics of Ukraine's food sector</p> <p>1.2. The place of socio-economic forecasting in the functional structure of the mechanism for the development of the domestic food complex</p> <p>1.3. Features of the structure of natural resource potential for the development of the food complex</p>	Lecture	<p>1. Senyshyn, O.S. Economic and mathematical tools for improving the efficiency of the region's food market development / O.S. Senyshyn, N.O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014. P. 79-122</p> <p>2. Senyshyn O.S. Socio-economic forecasting of the development of the food complex of Ukraine: [monograph] / O.S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p</p> <p>3. Hrabovetskyi B.E. Economic forecasting and planning: Textbook. Kyiv: TUL, 2003.</p> <p>4. Yerina A.M. Statistical modeling and forecasting. Kyiv: KNEU, 2001.</p> <p>5. Mayovets, E.Y., Senyshyn, O.S., Khich, R.Y. Development of the Milk Processing Industry in Ukraine: Prospects for Strategic Marketing Planning. Scientific Bulletin of Uzhhorod National University. Series: International Economic Relations and World Economy. Issue 43. Uzhhorod: Publishing House "Helvetica," 2022. Pp. 97-104</p> <p>6. Minchenko M.V., Chizhov L.P., Frolkov A.V. Planning and forecasting the socio-economic development of regions: Textbook. Sumy: VTD "University Book," 2004</p> <p>7. Panasyuk B.Y. Forecasting and regulating economic development. Kyiv: P Development of the agri-food complex: methodology and prospects for its application in Ukraine / O.S. Senyshyn, L.M. Tomanevych. Current problems of Ukraine's economic development: [monograph] / ed. by R. I. Trynka, Ya. S. Pitsura. Lviv: Liga-Press, 2014. Pp. 117–137.</p>	6 hours of lecture	According to the schedule
2-3	<p>Seminar 1</p> <p>Topic 1. Theoretical and methodological foundations of research into Ukraine's food sector Questions for group discussion</p> <p>1.1. Essence and structural and</p>	Practical training, independent work	<p>1. Senyshyn O.S. Economic and mathematical tools for improving the efficiency of the region's food market development / O.S. Senyshyn, N.O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014.</p>	4 hours of practical	According to the schedule

<p>functional characteristics of Ukraine's food complex</p> <ul style="list-style-type: none"> • Definition of the concept of "food complex" and its role in the national economy. • Main objectives and tasks of the food complex. • Structural elements of the food complex: <ul style="list-style-type: none"> o agricultural sector (crop production, animal husbandry); o processing industry (food, feed, meat and dairy, etc.); o infrastructure (transport, storage, trade, logistics). • Interrelationships between elements of the complex: production – processing – sales. • Characteristics of the functions of the food complex: economic, social, environmental. • The place of the food complex in the system of national security and food security of the country. <p>1.2. The place of socio-economic forecasting in the functional structure of the mechanism for the development of the domestic food complex</p> <ul style="list-style-type: none"> • The essence of forecasting and its difference from planning and programming. • The need for socio-economic forecasting for the food complex of Ukraine. • The main functions of forecasting: <ul style="list-style-type: none"> o analytical (assessment of the state of the complex); o informational (collection and systematization of data); o prognostic (predicting trends); o normative (setting targets). • Methods of socio-economic forecasting (economic-mathematical, statistical, expert). • Use of forecasts in the formation of 		<p>P. 79-122.</p> <ol style="list-style-type: none"> 2. Senyshyn O. S. Socio-economic forecasting of the development of the food complex of Ukraine: [monograph] / O. S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p. 3. Glivnenko S.V., Sokolov M.O., Telizhenko O.M. Economic Forecasting: Textbook. Sumy: VTD "University Book," 2004. 4. Hrabovetskyi B.E. Economic Forecasting and Planning: Textbook. Kyiv: TUL, 2003. 5. Yerina A.M. Statistical Modeling and Forecasting. Kyiv: KNEU, 2001. 6. Mayovets, E.Y., Senyshyn, O.S., Khich, R.Y. Development of the Milk Processing Industry in Ukraine: Prospects for Strategic Marketing Planning. Scientific Bulletin of Uzhhorod National University. Series: International Economic Relations and World Economy. Issue 43. Uzhhorod: Publishing House "Helvetica," 2022. Pp. 97-104. 7. Minchenko M.V., Chizhov L.P., Frolkov A.V. Planning and forecasting socio-economic development of regions: Textbook. Sumy: VTD "University Book", 2004. 8. Panasuk B.Y. Forecasting and regulating economic development. Kyiv: P development of the agri-food complex: methodology and Prospects for its application in Ukraine / O. S. Senyshyn, L. M. Tomanevych. Current problems of Ukraine's economic development: [monograph] / ed. by R. I. Trynka, Ya. S. Pitsura. Lviv: Liga-Pres, 2014. Pp. 117–137 	<p>classes, 8 hours of independent work</p>	
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	<p>strategies and programs for the development of the food complex.</p> <ul style="list-style-type: none"> • Forecasting as a tool for ensuring food security and competitiveness. <p>1.3. Features of the structure natural resource potential for the development of the food complex</p> <ul style="list-style-type: none"> • The concept of "natural resource potential" in the context of the food complex. • Land resources: structure of agricultural land, soil fertility, regional features. • Water resources and their importance for irrigated agriculture and the processing industry • Climatic conditions and their impact on the specialization of agricultural production. • Biological resources (plant and animal) as a basis for the development of the food complex. • Rational use and protection of natural resource potential. • Environmental constraints and requirements for the sustainable development of the food complex. 				
4-6	<p>Topic 2. Methodology of socio-economic forecasting of the development of the food sector in Ukraine</p> <p>2.1. Socio-economic forecasting as a tool for researching food needs and the possibilities for predicting them</p> <p>2.2. Methodology for researching socio-economic forecasting as an organizational and management system</p> <p>2.3. Trend analysis methodology as a tool for forming an optimal program for the development of the domestic food complex</p>	Lecture	<ol style="list-style-type: none"> 1. Senyshyn O.S. Economic and mathematical tools for improving the efficiency of the region's food market development / O.S. Senyshyn, N.O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014. P. 79-122. 2. Senyshyn O. S. Socio-economic forecasting of the development of the food complex of Ukraine: [monograph] / O. S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p. 3. Hlivnenko S.V., Sokolov M.O., Telizhenko O.M. Economic Forecasting: Textbook. Sumy: VTD "University Book," 2004. 4. Hrabovetskyi, B.E. Economic Forecasting and Planning: Textbook. Kyiv: TUL, 2003. 5. Yerina, A.M. Statistical Modeling and Forecasting. Kyiv: KNEU, 2001. 6. Senyshyn O.S., Urba S.I. Using taxonomic analysis to assess 	6 hours of lectures	According to the schedule

			<p>Ukraine's organic potential in the organic production system of European countries. Formation of a market economy in Ukraine: scientific collection. Issue 45. Lviv: Ivan Franko National University of Lviv, 2021. Pp. 3-18</p> <p>7. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytskyj, O. Klepanchuk. <i>Journal of Competitiveness: scientific periodical journal</i>. Issue 11(2) . Czech Republic: Tomas Bata University in Zlin Centre, 2019. P. 130-143. http://doi.org/10.7441/joc.2019.02.09.</p>		
4-5	<p style="text-align: center;">Seminar 2</p> <p>Topic 2. Methodology of socio-economic forecasting of the development of the food complex of Ukraine</p> <p>Questions for group discussion</p> <p>2.1. Socio-economic forecasting as a tool for researching food needs and the possibilities for predicting them</p> <ul style="list-style-type: none"> • Concept and essence of socio-economic forecasting in the food sector. • The main tasks of forecasting the food needs of the population: • Methods for food needs (normative, expert, balance, regression). • Determining the possibilities of meeting food needs through domestic production and imports. • The role of forecasting in shaping state food security policy. • Examples of forecast scenarios for Ukraine's food sector (optimistic, pessimistic, innovative). <p>2.2. Research methodology research of socio-economic forecasting as an organizational and management system</p> <ul style="list-style-type: none"> • Socio-economic forecasting as a component of state management of the agricultural and food sector. • Principles of forecasting systems: scientific basis, systematicity, comprehensiveness, alternativity, variability. 	<p style="text-align: center;">Practical training, independent work</p>	<ol style="list-style-type: none"> 1. Senyshyn O.S. Economic and mathematical tools for improving the efficiency of the region's food market development / O.S. Senyshyn, N.O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014. P. 79-122. 2. Senyshyn O. S. Socio-economic forecasting of the development of the food complex of Ukraine: [monograph] / O. S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p. 3. Hlivnenko S.V., Sokolov M.O., Telizhenko O.M. Economic Forecasting: Textbook. Sumy: VTD "University Book," 2004. 4. Hrabovetskyi, B.E. Economic Forecasting and Planning: Textbook. Kyiv: TUL, 2003. 5. Yerina, A.M. Statistical Modeling and Forecasting. Kyiv: KNEU, 2001. 6. Senyshyn O.S., Urba S.I. Using taxonomic analysis to assess Ukraine's organic potential in the organic production system of European countries. Formation of a market economy in Ukraine: scientific collection. Issue 45. Lviv: Ivan Franko National University of Lviv, 2021. Pp. 3-18 7. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytskyj, O. Klepanchuk. <i>Journal of Competitiveness: scientific periodical journal</i>. Issue 11(2) . Czech Republic: Tomas Bata University in Zlin Centre, 2019. P. 130-143. http://doi.org/10.7441/joc.2019.02.09. 	<p style="text-align: center;">4 hours of practical classes, 8 hours of independent work</p>	<p style="text-align: center;">According to the schedule</p>

	<ul style="list-style-type: none"> • Institutional structure of forecasting in Ukraine: state bodies, scientific institutions, analytical centers. • Use of information technologies and models for forecasting the development of the food complex. • Forecasting as the basis for strategic planning and the formation of industry development programs. <p>2.3. Trend analysis methodology as a tool for forming an optimal program for the development of the domestic food complex</p> <ul style="list-style-type: none"> • The essence of trend analysis and its significance for forecasting. • Use of time series in the study of economic processes in the food sector. • Advantages and limitations of trend analysis in forecasting socio-economic processes. • Using the results of trend analysis to develop optimal programs for the development of the food complex. 				
Content module 2. SOCIO-ECONOMIC ASSESSMENT OF THE FUNCTIONING AND DEVELOPMENT OF THE FOOD SECTOR IN UKRAINE AS A BASIS FOR SOCIO-ECONOMIC FORECASTING					
7-9	<p>Topic 3 Socio-economic assessment of the functioning and development of the food complex as a basis for building socio-economic forecasts</p> <p>3.1. The food complex in the agro-industrial production system of Ukraine</p> <p>3.2. Analytical assessment of the state of the market for livestock products and the level of consumption of food products in Ukraine</p> <p>3.2.1. Research on the market for milk and dairy products</p> <p>3.2.2. Analysis of the market for meat and meat products</p> <p>3.3. Research on the prospects for the development of the food market for crop products</p> <p>3.3.1. Functioning of the markets for grain,</p>	Lecture	<p>1. Senyshyn, O.S. Socio-economic forecasting of the development of the food complex of Ukraine: [monograph] / O.S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p.</p> <p>2. Senyshyn O.S., Kundytskyj O.O., Mayovets Ye.Yo., Horodniak I.V., Zhuk O.P. Organic potential of Ukraine in the system of organic production of the European countries. Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal. Lithuania: Vytautas Magnus University, 2023. Vol. 45. № 1. P. 79-93. Retrieved from https://ejournals.vdu.lt/index.php/mtsrbid/article/view/2971/2687. [Publication included in the <i>Web of Science</i>] Article DOI: https://doi.org/10.15544/mts.2023.09; eISSN 2345-0355.</p> <p>3. Senyshyn O.S., Urba S., Zamroz M., Shparyk Ya. Assessment of export capacity of agricultural sector in the context of international competitiveness. Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal. Lithuania: Vytautas Magnus University, 2023. Vol.45. № 1. P. 67-</p>	6 hours of lectures	According to the schedule

	legumes, and their processed products 3.3.2. Sugar market 3.3.3. Market for edible fats 3.3.4. Potato, vegetable, fruit, and berry market		78. Retrieved from https://ejournals.vdu.lt/index.php/mtsrbid/article/view/957 . [Publication included in the <i>Web of Science</i>] Article DOI: https://doi.org/10.15544/mts.2023.08 ; eISSN 2345-0355. 4. Mayovets Ye.Yo., Senyshyn O.S., Khich R.Ya. Strategic marketing development of milk processing industry of Ukraine. <i>Formation of market economy in Ukraine</i> :: scientific collection. Issue 51. Lviv: Ivan Franko National University of Lviv, 2024. P. 47-56. [This publication is included in the Index Copernicus scientometric database International] http://publications.lnu.edu.ua/collections/index.php/economics/article/view/4437/4880 .		
7-8	<p style="text-align: center;">Seminar 3</p> <p>Topic 3. Socio-economic assessment of the functioning and development of the food complex as a basis for building socio-economic forecasts</p> <p style="text-align: center;"><i>Questions for group discussion</i></p> <p>3.1. Food complex in the system of agro-industrial production in Ukraine</p> <ul style="list-style-type: none"> • Interconnection of the food complex with other sectors of the agro-industrial complex. • The place and role of the food complex in the structure of the country's economy. • The main areas of specialization of Ukraine's food complex. • The impact of international integration and globalization on the functioning of the food complex. • The contribution of the food complex to the formation of GDP, export potential, and the level of food security. <p>3.2. Analytical assessment of the state of the livestock food market and the level of food consumption in Ukraine</p> <ul style="list-style-type: none"> • The dynamics of livestock development and its share in the structure of the food complex. • Production and consumption of basic animal products. • The impact of household income, pricing policy, and imports on consumption levels. 	Practical training, independent work	<p>1. Senyshyn, O.S. Socio-economic forecasting of the development of the food complex of Ukraine: [monograph] / O.S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p.</p> <p>2. Senyshyn O.S., Kundytshyj O.O., Mayovets Ye.Yo., Horodniak I.V., Zhuk O.P. Organic potential of Ukraine in the system of organic production of the European countries. <i>Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal</i>. Lithuania: Vytautas Magnus University, 2023. Vol. 45. № 1. P. 79-93. Retrieved from https://ejournals.vdu.lt/index.php/mtsrbid/article/view/2971/2687. [Publication included in the <i>Web of Science</i>] Article DOI: https://doi.org/10.15544/mts.2023.09; eISSN 2345-0355.</p> <p>3. <i>Senyshyn O.S., Urba S., Zamroz M., Shparyk Ya.</i> Assessment of export capacity of agricultural sector in the context of international competitiveness. <i>Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal</i>. Lithuania: Vytautas Magnus University, 2023. Vol.45. № 1. P. 67-78. Retrieved from https://ejournals.vdu.lt/index.php/mtsrbid/article/view/957. [Publication included in the <i>Web of Science</i>] Article DOI: https://doi.org/10.15544/mts.2023.08; eISSN 2345-0355.</p> <p>4. Mayovets Ye.Yo., Senyshyn O.S., Khich R.Ya. Strategic marketing development of milk processing industry of Ukraine. <i>Formation of market economy in Ukraine</i>:: scientific collection. Issue 51. Lviv: Ivan Franko National University of Lviv, 2024. P. 47-56. [This publication is included in the Index Copernicus scientometric database International] http://publications.lnu.edu.ua/collections/index.php/economics/article/view/4437/4880.</p>	4 hours of practical classes, 8 hours of independent work	According to the schedule

	<ul style="list-style-type: none"> • Trends in domestic and foreign demand for livestock products. <p>3.3. Research prospects for the development of the food market for crop products</p> <ul style="list-style-type: none"> • The role of crop production in ensuring food security. • Production and consumption of the main types plant production. • The impact of global economic conditions and climatic conditions on the development of crop production. • Forecast scenarios for the development of plant product markets. 				
10-12	<p>Topic 4. Socio-economic forecasting of the development of Ukraine's food sector as a condition for strengthening domestic food security</p> <p>4.1. The priority importance of food security in the process of forming the country's national security system</p> <p>4.2. Social development of rural areas as a prerequisite for achieving food security in Ukraine</p> <p>4.3. Global experience in state regulation of the agri-food complex and prospects for its application in Ukraine</p> <p>4.4. Areas for improvement in domestic food production in the context of ensuring Ukraine's food security</p>	Lecture	<ol style="list-style-type: none"> 1. Senyshyn, O. S. Social development of Ukrainian villages as a prerequisite for achieving sustainable economic development of the country / O. S. Senyshyn // Current problems of Ukraine's economic development: [monograph] / ed. by R. I. Trynka, Ya. S. Pitsura. Lviv: Liga-Pres, 2014. Pp. 204-233. 2. Senyshyn, O. S. Global experience of state support for the development of the agri-food complex: methodology and prospects for its application in Ukraine / O. S. Senyshyn, L. M. Tomanevych. Current problems of Ukraine's economic development: [monograph] / edited by R. I. Trynko, Ya. S. Pitsur. Lviv: Liga-Pres, 2014. Pp. 117–137. 3. Senyshyn O. S. Ukraine's organic potential in the organic production system of European countries. Economic Space: Collection of scientific works. No. 171/2021. Dnipro: Helvetica Publishing House, 2021. Pp. 22–31. 4. Senyshyn, O.S. Organic production in the agri-food production system in Ukraine. Scientific Bulletin of Uzhhorod National University. Series: International Economic Relations and World Economy. Issue 36/2021. Uzhhorod: Helvetica, 2021. Pp. 140–146. 5. Senyshyn O.S., Kutsyk P.O., Kundytskyi O.O., Zlydnyk M.I. Using the positive experience of developed countries in regulating agri-food markets in Ukraine. Formation of a market economy in Ukraine: scientific collection. Issue 44. Lviv: Ivan Franko National University of Lviv, 2020. Pp. 3-15. 6. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytskyj, O. Klepanchuk. Journal of Competitiveness: scientific periodical journal. Issue 11(2) . Czech Republic: Tomas Bata 	6 hours of lectures	According to the schedule

			<p>University in Zlin Centre, 2019. P. 130-143. http://doi.org/10.7441/joc.2019.02.09.</p> <p>7. Senyshyn O.S., Urba S., Zamroz M., Shparyk Ya. Assessment of export capacity of agricultural sector in the context of international competitiveness. Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal. Lithuania: Vytautas Magnus University, 2023. Vol.45. № 1. P. 67-78.</p> <p>8. Senyshyn O.S., Kundytyskyj O.O., Khich R.Ya., Goryn M.O., Chopko N.S., Zamroz M.B. Applying Marketing Strategic Planning Tools to Evaluate the Growth Potential of Ukraine's Dairy Industry. Research on World Agricultural Economy. 2025. Vol. 6 (4). P. [Scopus, Web of Science, Q3]. URL: https://journals.nasspublishing.com/index.php/rwae</p>		
10	<p align="center">Seminar 4</p> <p align="center">Topic 4. Socio-economic forecasting of the development of Ukraine's food complex as a condition for strengthening domestic food security</p> <p align="center"><i>Questions for group discussion</i></p> <p>4.1. The priority importance of food security in the process of forming the country's national security system</p> <ul style="list-style-type: none"> • The concept of food security and its components: economic, social, and environmental. • Interconnection between security and national security in Ukraine. • Priorities of state policy in ensuring food security. • Factors affecting food security: domestic production, imports, stocks, infrastructure. • The role of forecasting in preventing crises in the food market. <p>4.2. Social development of rural areas as a condition for achieving food security in Ukraine</p> <ul style="list-style-type: none"> • The impact of the level of social development of rural areas on agricultural productivity. 	<p align="center">Practical training, independent work</p>	<ol style="list-style-type: none"> 1. Senyshyn, O. S. Social development of Ukrainian villages as a prerequisite for achieving sustainable economic development of the country / O. S. Senyshyn // Current problems of Ukraine's economic development: [monograph] / ed. by R. I. Trynka, Ya. S. Pitsura. Lviv: Liga-Pres, 2014. Pp. 204-233. 2. Senyshyn, O. S. Global experience of state support for the development of the agri-food complex: methodology and prospects for its application in Ukraine / O. S. Senyshyn, L. M. Tomanevych. Current problems of Ukraine's economic development: [monograph] / edited by R. I. Trynko, Ya. S. Pitsur. Lviv: Liga-Press, 2014. Pp. 117–137. 3. Senyshyn O. S. Ukraine's organic potential in the organic production system of European countries. Economic Space: Collection of scientific works. No. 171/2021. Dnipro: Helvetica Publishing House, 2021. Pp. 22–31. 4. Senyshyn, O.S. Organic production in the agri-food production system in Ukraine. Scientific Bulletin of Uzhhorod National University. Series: International Economic Relations and World Economy. Issue 36/2021. Uzhhorod: Helvetica, 2021. Pp. 140–146. 5. Senyshyn O.S., Kutsyk P.O., Kundytyskyi O.O., Zlydnyk M.I. Using the positive experience of developed countries in regulating agri-food markets in Ukraine. Formation of a market economy in Ukraine: scientific collection. Issue 44. Lviv: Ivan Franko National University of Lviv, 2020. Pp. 3-15. 6. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytyskyj, O. Klepanchuk. Journal of Competitiveness: scientific periodical journal. Issue 11(2) . Czech Republic: Tomas Bata University in Zlin Centre, 2019. P. 130-143. http://doi.org/10.7441/joc.2019.02.09. 7. Senyshyn O.S., Urba S., Zamroz M., Shparyk Ya. Assessment of export capacity of agricultural sector in the context of international competitiveness. Management Theory and Studies for Rural Business and Infrastructure Development: scientific journal. Lithuania: Vytautas 	<p align="center">2 hours of practical classes, 8 hours of independent work</p>	<p align="center">According to the schedule</p>

	<ul style="list-style-type: none"> • Investments in rural infrastructure: roads energy supply, product storage. • Human capital development: education, professional training, and motivation of agribusiness employees. • Social support support rural areas as a tool for ensuring food security. • The link between rural prosperity and the stability of the domestic food market. <p>4.3. Global experience of state regulation of agri-food complex development and prospects for its application in Ukraine</p> <ul style="list-style-type: none"> • The main models of state regulation of the agri-food complex in world. • Possibilities for adapting international experience to Ukraine, taking into account its economic and social conditions. • Instruments of state regulation: tax incentives, public procurement, support for innovation 		<p>Magnus University, 2023. Vol.45. № 1. P. 67-78.</p> <p>8. Senyshyn O.S., Kundyskyj O.O., Khich R.Ya., Goryn M.O., Chopko N.S., Zamroz M.B. Applying Marketing Strategic Planning Tools to Evaluate the Growth Potential of Ukraine's Dairy Industry. Research on World Agricultural Economy. 2025. Vol. 6 (4). P. [Scopus, Web of Science, Q3]. URL:https://journals.nasspublishing.com/index.php/rwae</p>		
13-16	<p>Topic 5. Socio-economic forecast for Ukraine's transformation into a competitive food state</p> <p>5.1. Prognostic assessment of the growth of the export potential of Ukraine's food complex</p> <p>5.2. Areas for improving the competitiveness of domestic food products on world markets</p> <p>5.3. Socio-economic forecast of the food complex's role in meeting the food needs of Ukraine's population</p>	Lecture	<ol style="list-style-type: none"> 1. Senyshyn O.S. Economic and mathematical tools for improving the efficiency of the region's food market development / O.S. Senyshyn, N.O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014. P. 79-122. 2. Senyshyn, O. S. Socio-economic forecasting of the development of Ukraine's food complex: [monograph] / O. S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p 3. Senyshyn O.S., Mayovets E.Y., Khich R.Y. The milk processing industry of Ukraine as an object of strategic marketing planning. Effective Economy. Electronic journal. 2023. No. 1. (2023). URL: https://www.nayka.com.ua/index.php/ee/article/view/1008/1018. [The journal is included in the international scientometric database Index Copernicus International]. 4. Urba S.I., Senyshyn O.S. The impact of war on the development of agribusiness in Ukraine. Formation of a market economy in Ukraine: scientific collection. Issue 50. Lviv: Ivan Franko National University of Lviv, 2023. P. 87-97. [The publication is included in the scientometric database Index Copernicus International]. 	8 hours of lectures	According to the schedule

			<p>http://publications.lnu.edu.ua/collections/index.php/economic</p> <p>5. Yatsura V. V., Senyshyn O. S., Horyn M. O. Socio-economic forecasting: Textbook. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2010. 412 p.</p> <p>6. Senyshyn O. S., Urba S. I. Using taxonomic analysis to assess Ukraine's organic potential in the organic production system of European countries. Formation of a market economy in Ukraine: scientific collection. Issue 45. Lviv: Ivan Franko National University of Lviv, 2021. P. 3-18</p> <p>7. Senyshyn O. S., Urba S. I. Using taxonomic analysis to assess Ukraine's organic potential in the organic production system of European countries. Formation of a market economy in Ukraine: scientific collection. Issue 45. Lviv: Ivan Franko National University of Lviv, 2021. P. 3-18</p> <p>8. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytskyj, O. Klepanchuk. Journal of Competitiveness: scientific periodical journal. Issue 11(2) . Czech Republic: Tomas Bata University in Zlin Centre, 2019. P. 130-143. http://doi.org/10.7441/joc.2019.02.09.</p>		
15	<p>Seminar 4</p> <p>Topic 5. Socio-economic forecast for Ukraine's transformation into a competitive food state</p> <p><i>Questions for group discussion</i></p> <p>5.1. Prognostic assessment of the growth of the export potential of Ukraine's food complex</p> <ul style="list-style-type: none"> • Export potential of the main types of agricultural products: grains, oilseeds, meat and dairy products. • Factors determining export potential: production capacity, logistics, world market prices. • The impact of international trade agreements and Ukraine's integration into world markets. • Assessment of risks and restrictions for food exports. <p>5.2. Ways to improve the competitiveness of domestic food</p>	<p>Practical training, independent work</p>	<p>1. Senyshyn O.S. Economic and mathematical tools for improving the efficiency of the region's food market development / O.S. Senyshyn, N.O. Dzyubenko. Socio-economic development of the region: status and prospects: [monograph] / ed. by M. O. Horyn, O. S. Senyshyn. Lviv: Ivan Franko National University of Lviv, 2014. P. 79-122.</p> <p>2. Senyshyn, O. S. Socio-economic forecasting of the development of Ukraine's food complex: [monograph] / O. S. Senyshyn. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2015. 472 p</p> <p>3. Senyshyn O.S., Mayovets E.Y., Khich R.Y. The milk processing industry of Ukraine as an object of strategic marketing planning. Effective Economy. Electronic journal. 2023. No. 1. (2023). URL: https://www.nayka.com.ua/index.php/ee/article/view/1008/1018. [The journal is included in the international scientometric database Index Copernicus International].</p> <p>4. Urba S.I., Senyshyn O.S. The impact of war on the development of agribusiness in Ukraine. Formation of a market economy in Ukraine: scientific collection. Issue 50. Lviv: Ivan Franko National University of Lviv, 2023. P. 87-97. [The publication is included in the scientometric database Index Copernicus International]. http://publications.lnu.edu.ua/collections/index.php/economic</p> <p>5. Yatsura V. V., Senyshyn O. S., Horyn M. O. Socio-economic forecasting: Textbook. Lviv: Publishing Center of Ivan Franko National University of Lviv, 2010. 412 p.</p> <p>6. Senyshyn O. S., Urba S. I. Using taxonomic analysis to assess Ukraine's organic potential in the organic production system of European countries.</p>	<p>2 hours of practical classes, 8 hours of independent work</p>	<p>According to the schedule</p>

	<p>products on world markets</p> <ul style="list-style-type: none"> • Product quality and certification according to international standards (ISO, HACCP, GlobalGAP). • Innovations in production and processing to reduce costs and improve quality. • Use of state programs to support exports and provide credit to the agri-food sector. • Improving the efficiency of agricultural production and processing through cooperation and integration. <p>5.3. Socio-economic forecast of the food complex's role in meeting the food needs of Ukraine's population</p> <ul style="list-style-type: none"> • Assessment of the prospects for the production of food products for domestic consumption. • Forecast of population demand for major food groups (cereals, meat, dairy products, vegetables, and fruits). • Use of forecast models for strategic planning of production and provision of food to the population 		<p>Formation of a market economy in Ukraine: scientific collection. Issue 45. Lviv: Ivan Franko National University of Lviv, 2021. P. 3-18</p> <p>7. Senyshyn O. S., Urba S. I. Using taxonomic analysis to assess Ukraine's organic potential in the organic production system of European countries. Formation of a market economy in Ukraine: scientific collection. Issue 45. Lviv: Ivan Franko National University of Lviv, 2021. P. 3-18</p> <p>8. Senyshyn O. S. An index analysis for the assessment of the competitiveness of food products in Ukraine / O. Senyshyn, O. Kundytshyj, O. Klepanchuk. Journal of Competitiveness: scientific periodical journal. Issue 11(2) . Czech Republic: Tomas Bata University in Zlin Centre, 2019. P. 130-143. http://doi.org/10.7441/joc.2019.02.09..</p>		
TOTAL		$(4*6+8)+(3*4+2+2)+(4*8+10) = 90 \text{ год.}$		<i>PA3</i> <i>OM</i>	$(4*6+8)+(3*4+2+2)+(4*8+10) = 90 \text{ год.}$

