NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES OF UKRAINE

Department of Production and Investment Management

«APPROVED»

Dean of the Faculty of Agrarian Management

A.D. Ostapchuk

2022

CONFIRMED»

by the meeting of the production and investment management department Protocol No.9 of " 27 " of April 2022 Acting Head of Department M.M. Dielini

«CONSIDERED»

Guarantor of the educational program

"Management of investment activity and

international projects"

Guarantor of the educational program

My L.V. Shynkaruk

WORKING PROGRAM OF THE EDUCATIONAL DISCIPLINE

Business game "Strategy for project implementation in the agro-industrial complex"

(title of the educational discipline)

Specialty

073 «Management»

Educational program

Management of Investment Activity and International Projects

Faculty

Agrarian management

Developers:

Dielini M.M., Dr. of Ec. Sc., Professor

(position, academic degree, academic title)

1. DESCRIPTION OF THE DISCIPLINE

Business game "Strategy for project implementation in the agro-industrial complex"

Educational degree	Master				
Specialty	073 Management				
Educational program	Management of Investmen	nt Activity and			
	International Projects				
Characteristic	es of the educational disci	pline			
Туре	Opti	ona)			
Total number of hours	1:	50			
Amount of ECTS credits		5			
Number of content modules		2			
Course project (work) (if	-				
available)					
Form of control	Exam				
Indices for full-	time and part-time depart	rtment Part-time study			
Year of preparation (course)	1	-			
1 1					
Semester	1	-			
• • • • • • • • • • • • • • • • • • • •	1 20 hours	-			
Semester	-	- - -			
Semester Lectures	20 hours	- - -			
Semester Lectures Practical classes Laboratory classes Independent work	20 hours	- - - -			
Semester Lectures Practical classes Laboratory classes	20 hours 40 hours 90 hours	- - - - -			
Semester Lectures Practical classes Laboratory classes Independent work	20 hours 40 hours	- - - - - -			

2. Purpose, tasks and competencies of the discipline

The main topic of the discipline "Business game "Strategy for the project implementation in the agro-industrial complex" is related to the study of economic disciplines.

The subject of the discipline "Business Game "Strategy for the project implementation in the agro-industrial complex" is a system of economic, economic, legal, financial relations in the field of implementation of various types of projects in agricultural enterprises, justification of planning, control and effective management of modern investment and innovation projects for long-term period in the agro-industrial sphere.

The purpose of the discipline "Business game "Strategy for the project implementation in the agro-industrial complex" is the formation of future professionals of modern systems thinking and a set of special skills and abilities to use universal tools for project management and their implementation in agro-industrial complex.

The main objectives of the discipline "Business Game "Strategy for the project implementation in the agro-industrial complex" is to provide scientific and methodological basis for students majoring in 073 "Management" specialization "Investment Management and International Projects" basic tools for project implementation strategy in agro-industrial complex.

Discipline "Business game "Strategy for the project implementation in the agro-industrial complex" is taught to full-time students. Electronic databases and official websites of international programs and various foreign donors are used in teaching, the calculation model of the project in MS Excel is developed.

As a result of studying the discipline the students have to

know:

- Features of the project implementation strategy in the agro-industrial complex;
- prerequisites for project development in the agro-industrial complex, the main differences from other industries;
- legislative differences in project implementation in the agro-industrial complex;
 - opportunities to find investors in the agro-industrial complex;
 - risk management methods in agro-industrial complex.

be able:

- to develop a strategy for project implementation in the agro-industrial complex;
- distinguish the features of project development in the agro-industrial complex from other industries;
 - make management decisions in the agro-industrial complex;
 - analyze the project environment in the agro-industrial complex;
 - calculate the effectiveness of projects in the agro-industrial complex.

Acquisition of competencies:

general competencies (GC):

- 1. Ability to learn, master modern knowledge and apply them in practical situations.
- 2. Ability to adapt and act in a new situation, identify, pose and solve problems.
- 3. The ability to organize and motivate people to move towards a common goal, work in a team, show initiative and entrepreneurship, act on the basis of ethical considerations, socially responsible and conscious.

professional (special) competencies (FC):

1. Ability to evaluate the effectiveness of programs and investment projects.

3. Program and structure of the discipline for:

- full-time study;

"BUSINESS GAME "STRATEGY OF PROJECT IMPLEMENTATION IN AGRO-INDUSTRIAL COMPLEX"

Content module 1.

Features of design in agro-industrial complex

Topic 1. Objectives, results and strategy of the project

Strategic decisions at enterprises and factors influencing their adoption. Prerequisites for making strategic decisions in the process of enterprise management.

Enterprise resource management strategies (resource supply and resource conservation) and features of their choice. Strategies of enterprises in foreign markets.

Topic 2. The procedure for making strategic decisions in the agroindustrial complex

Diagnosis and identification of the problem. Analysis of the factors of the problem. Formation of alternative strategic decisions. Choosing a strategic decision. Implementation of a strategic decision.

Topic 3. Project approach in the implementation of projects in agroindustrial complex

Classic approaches to organizational management. Modern approaches to the management of organizations. Process-oriented approach to organizational management. Targeted approach to management. Management of results.

Prerequisites for the emergence of a project approach to management. Project approach as an alternative to a hierarchical management system. Advantages of project management. Disadvantages of the project organization. Project management system. Expediency of using the project approach. Elements of the project management system. Advantages and disadvantages of the project approach.

Approaches and principles of the project management system. Approaches to building project management systems. The main tasks solved by the project-oriented enterprise management system.

Problems of using the project approach in management. The main limitations of the project approach.

Characteristics of the stages of management by results. Project management methods.

Topic 4. Project environment in agro-industrial complex

Environment of projects in agro-industrial complex. Features of project implementation in agro-industrial complex.

Assessment of the internal and external environment in the implementation of projects in the agro-industrial complex. PEST-analysis of projects in the agro-industrial complex. Mesolevel and megalevel of the environment of projects in the agro-industrial complex.

Module 2. Applied aspects of project implementation in agroindustrial complex

Topic 5. Legislative regulation of project activities in agro-industrial complex

The main legal framework governing the implementation of projects in the agro-industrial complex.

Food security strategy of Ukraine. Strategy for the development of exports of agricultural products, food and processing industries of Ukraine.

Phyto-sanitary norms of project implementation in agro-industrial complex.

Topic 6. Opportunities to involve external sources in projects in the agro-industrial complex

Sources of funding for projects in the agro-industrial complex, their advantages and disadvantages. project. Grant opportunities to raise funds for agro-industrial complex projects. Activities of European financial institutions to finance projects in the agro-industrial complex. Project financing in the field of agro-industrial complex.

Topic 7. Features of calculations of efficiency of projects in agro- industrial complex

Profitability indicators of the project in the agro-industrial complex. Groups of project efficiency ratios. Calculation of the cost of projects in the agro-industrial complex. Indicators of project efficiency in the agro-industrial complex. Calculation of the break-even point of the project in the agro-industrial complex.

Topic 8. Risks and guarantees of project implementation in agroindustrial complex

The concept and classification of risks in agriculture. Types of risks in the agro-industrial complex and the reasons for their occurrence.

Risk identification and analysis methodology. Risk identification and economic assessment. Principles of risk assessment. Quantitative and qualitative risk analysis. Methods of quantitative risk assessment. Features of financial,

currency and commercial risk. Financial decisions at risk. Risk management concept. Content and procedure for developing a risk prevention plan.

Measures to neutralize or minimize the negative consequences of possible risks in agro-industrial complex.

Structure of educational discipline "Business game "Strategy for the project implementation in the agroindustrial complex"

	1		Ш	ausi			piex						
Titles of content				Quantity of hours									
modules and topics		Full-time					Заочна форма						
	Weeks	total			includ	ng		total			includi	ing	
			1	р	1	інд	1	p	1	П	1	р	1
1	2	1	2	1	2	1	2	1	2	1	2	1	2
M	odule 1.	Featur	es of	des	ign in	agro	o-ind	ustrial c	omp	olex			
Topic 1.	1	18	2	5	-	-	11						
Objectives,													
results and													
strategy of the													
project													
Topic 2. The	3	19	2	5	-	-	12						
procedure for													
making strategic													
decisions in the													
agro-industrial													
complex													
Topic 3. Project	5	18	2	5	-	-	11						
approach in the													
implementation													
of projects in													
agro-industrial													
complex													
Topic 4. Project	7	19	2	5	-	-	12						
environment in													
agro-industrial													
complex													
TOTAL FOR		74	8	20	-	-	46						
MODULE 1													
Module 2. App	olied asp	ects of	proj	ect i	mple	ment	ation	in agro	-ind	ustr	ial co	mple	X
Topic 5.	6	19	3	5	-	-	11					1	
Legislative													
regulation of													
project activities													
in agro-industrial													
complex													
Topic 6.	8	19	3	5	-	-	11						
Opportunities to													
involve external													
sources in													
projects in the													
agro-industrial													
complex													

Topic 7. Features of calculations of efficiency of projects in agro- industrial complex	9	19	3	5	-	-	11			
Topic 8. Risks and guarantees of project implementation in agro-industrial complex	10	19	3	5	-	-	11			
TOTAL FOR MODULE 2	7	6	12	20	-	-	44			
Total hours	1:	50	20	40	-	-	90			

4. Topics of seminars

No	Title of topic	Amount of
		hours
	not provided by the curriculum	

5. Topics of practical classes

No	Title of topic	Amount of
		hours
1	Topic 1. Objectives, results and strategy of the project	5
2	Topic 2. The procedure for making strategic decisions in the agroindustrial complex	5
3	Topic 3. Project approach in the implementation of projects in agro-industrial complex	5
4	Topic 4. Project environment in agro-industrial complex	5
5	Topic 5. Legislative regulation of project activities in agro- industrial complex	5
6	Topic 6. Opportunities to involve external sources in projects in the agro-industrial complex	5
7	Topic 7. Features of calculations of efficiency of projects in agro- industrial complex	5
8	Topic 8. Risks and guarantees of project implementation in agro- industrial complex	5
Total	amount of hours	40

6. Topics of labs

No	Title of topic	Amount of hours
	not provided by the curriculum	

7. Test questions, sets of tests to determine the level of knowledge acquisition by students

- 1. The concept of strategy and its types in agro-industrial complex.
- 2. The difference between strategic and operational decisions.
- 3. Levels of strategic decisions.
- 4. Typology of project strategies in the agro-industrial complex.
- 5. Strategies at the regional and state levels.
- 6. Factors influencing strategic decisions.
- 7. Prerequisites for making strategic decisions.
- 8. Factors of strategy formation.
- 9. Limited growth strategy.
- 10. Strategies for diversified growth.
- 11. The purpose and objectives of the enterprise and their relationship with the strategic decision.
 - 12. Production strategy of the enterprise.
 - 13. Stages of strategic decision-making in the agro-industrial complex
 - 14. Stage of problem formulation: main elements and threats.
 - 15. Stage of choosing alternatives: main elements and threats.
 - 16. Stage of strategy implementation: main elements and threats.
- 17. Analysis of the environment in making strategic decisions in the agroindustrial complex.
- 18. The essence and objects of strategic analysis in the process of strategic decision making.
 - 19. Types of external environment of the enterprise.
 - 20. Strategic analysis of the industry environment.
- 21. The model of the life cycle of the industry and its importance in strategic decision making.
 - 22. Analysis of the internal environment in making strategic decisions.
 - 23. PEST analysis of the enterprise.
 - 24. Basic approaches to strategic decision making.
 - 25. SWOT project analysis in agro-industrial complex.
- 26. Content and structure of strategic forecasting as a tool for strategic decision making.
 - 27. Market segmentation in the process of strategic decision making.
 - 28. Assessment of the potential of the enterprise.
 - 29. Financial evaluation of the enterprise.
- 30. The method of discounting the payback period purpose, calculation formula.
- 31. The method of net present value of income (NPV-method) purpose, calculation formula.
 - 32. Internal rate of return (IRR) purpose, calculation formula.

- 33. Assignment of the analysis of influence of inflation on an estimation of efficiency of investments.
- 34. How is the forecast of profit from the implementation of the investment project?
 - 35. Estimates of project performance indicators.
 - 36. Identify the role of own sources in project financing.
 - 37. Describe the order of formation of net profit at the enterprise.
 - 38. How is the net income of the enterprise calculated?
 - 39. The structure of the company's own financial resources.
 - 40. The structure of borrowed financial resources of the enterprise.
 - 41. Indicators of financial stability of the enterprise.
 - 42. Project profitability indicators.
 - 43. Project liquidity ratios.
 - 44. Risks that may arise in the implementation of strategic decisions.
- 45. Name the main international financial institutions involved in project financing.
- 46. Define the directions of the World Bank's activities on financing projects in the agro-industrial complex.
 - 47. Identify trends in project financing in Ukraine.
- 48. Provide a description of the EBRD and the financing of projects in the agro-industrial complex.
- 49. Identify opportunities for domestic agricultural enterprises to participate in EBRD grants.
- 50. What are the specifics of financing projects by international regional development banks?
- 51. Describe the activities of the European Investment Bank in financing projects.
 - 52. What EU programs operate in Ukraine?
 - 53. Describe the EIB.
- 54. What are the issues of EIB cooperation in the field of environmental protection?
 - 55. Describe the EU Structural Funds and the Cohesion Fund.
- 56. Describe the COSME / EEN project for agro-industrial complex projects.
 - 57. Describe the EEN project for agro-industrial complex projects.
- 58. Describe the EU4Business project for agro-industrial complex projects.

Tests:

- 1. The main tool for planning and effective organization of business project is:
 - 1 strategy
 - 2 administrative plan

- 3 job descriptions
- 4 business plan
- 2. What standard of business plan is provided by the organization of the European Union?
 - 1 EBRD Standard
 - 2 TACIS standard
 - 3 UNIDO standard
 - 4 ISO standard
 - 3. One of the most popular type of charts in project management are:
 - 1 Gantt chart
 - 2 decision tree
 - 3 problem tree
 - 4 bar chart
 - 4. PMBOK is:
 - 1 project management standard
 - 2 project management guide
 - 3 unified rules for project management
 - 4 classifier for project management
- 5. A set of projects and programs and individual works, which are grouped together in order to promote the effective management of these works to achieve the strategic goals of the organization is:
 - 1 project program
 - 2 portfolio of projects
 - 3 complex of projects
 - 4 target groups of projects
 - 6. What is the main weakness of classical project management?
 - 1 Stages in it do not correspond to the logic of execution
 - 2 Complex internal system of subordination of performers
 - 3 It is not flexible to change
 - 4 Expensive
- 7. Identify a subject group that includes the processes required to identify, identify, combine, unify, coordinate, control, and complete the various activities and processes associated with the project.
 - 1 Resources
 - 2 Integration
 - 3 Stakeholders
 - 4 Contents

- 5 Cost
- 6 Lines
- 7 Risks
- 8 Quality
- 9 Procurement
- 8. To which group of indicators are the indicators of gross margin, profitability of operating activities, profitability of ordinary activities and profitability of sales related?
 - 1 indicators of project profitability
 - 2 indicators of investment attractiveness
 - 3 indicators of project profitability
 - 4 payback indicators of the project
- 9. What is the main difference between Scrum and classic project management?
 - 1 system is similar, except for the term given to perform the stages
- 2 the project is divided into parts, which are then broken down by priority by the product owner.
- 3 the project is not divided into stages, but is performed according to the team's own vision
 - 4 is suitable for large engineering and construction projects
 - 10. The purpose of the project should be:
 - 1 concrete, achievable, relevant
 - 2 global, large-scale, important
 - 3 concise, but cover many problems
 - 4 informative, ambitious, regulatory
 - 11. What are the three activities of any organization or company?
 - 1 functional (operational), design, force majeure
 - 2 planning, operational, sales
 - 3 strategic, functional (operational); social
 - 4 economic; political; social
- 12. A unique set of processes consisting of coordinated and managed tasks with a start and end date that is used to achieve the goal is called...:
 - 1 project
 - 2 strategic plan
 - 3 business plan
 - 4 business case

- 13. The use of methods, tools, techniques and competencies aimed at obtaining results is called:
 - 1 project support
 - 2 project management
 - 3 project implementation
 - 4 project implementation
- 14. The established sequence of phases from the beginning to the end of the project is called:
 - 1 project term
 - 2 project horizon
 - 3 project life cycle
 - 4 scale of project
- 15. To which group of indicators are indicators of gross income, gross profit, net profit?
 - 1 project profitability indicators
 - 2 indicators of investment attractiveness
 - 3 indicators of project profitability
 - 4 payback indicators of the project
 - 16. What group of processes does not exist in project management?
 - 1 initiation
 - 2 planning
 - 3 adjustments
 - 4 execution
 - 5 management
 - 6 completion
- 17. Identify a subject group that includes the processes required to identify, define, combine, unify, coordinate, control, and complete the various project-related activities and processes.
 - 1 Resources
 - 2 Integration
 - 3 Stakeholders
 - 4 Contents
 - 5 Cost
 - 6 Lines
 - 7 Risks
 - 8 Quality
 - 9 Procurement

- 18. One of the key evaluation parameters when selecting a project for funding is:
 - 1 number of investors
 - 2 number of performers
 - 3 level of risk
 - 4 relevance
 - 19. What is the strength of the Agile project management method?:
 - 1 the presence of common values
 - 2 flexibility and adaptability
 - 3 ease of implementation
 - 4 cross-functionality of the team
- 20. The project, which includes targeted programs for the development of regions, industries and other entities is:
 - 1 monoproject
 - 2 multiprojects
 - 3 megaproject
 - 4 large-scale project.

8. Teaching methods.

Modern requirements for the training of investment management professionals include the acquisition of basic practical skills in the application of project management, mastering the basics of methodology, technology and mastery of methods of formation, monitoring and control, management decisions at national, regional and local levels. public sphere, from the standpoint of general civilizational values, world experience and understanding of scientific achievements.

The following educational technologies and means are used to activate the process of students' learning during the study of the discipline:

- the material is clearly structured at lectures; students' attention is focused on problematic issues; specific examples of practical application of the acquired knowledge are given; students are encouraged to critically perceive new material instead of passive annotation; visual materials, schemes, tables, models, graphs are used; technical teaching aids are used: multimedia projector, slides, etc.;
- various educational technologies are introduced in practical classes: performance of practical tasks by appropriate software; analysis, interpretation and discussion of the obtained results; brain storm; presentations; work in small groups; written control of knowledge; individual and group survey; cross-checking of tasks with the subsequent argumentation of the given assessment, etc.

Mandatory elements of intensification of students 'educational work are clear control of students' attendance, encouragement of educational activity, fair differentiation of grades.

Lesson planning involves the creation of prerequisites for the implementation of the following methodological principles of the educational process: - intensive use of independent student work (preparatory stage for the implementation of practical tasks and interpretation of the results); - active use of software to perform practical tasks; - compliance with strict regulations: determining the time for individual work and discussion of the results; - introduction of the principle of rationing: observance of norms and rules at performance of test tasks and practical tasks; - active support of intra-group interaction of students, involvement in the implementation of practical tasks and discussion of the results.

9. Forms of control.

The form of control of students' knowledge in the discipline "Business Game "Strategy for the project implementation in the agro-industrial complex" is an exam.

10. Distribution of points received by students. Assessment of student knowledge is on a 100-point scale and is translated into national assessments according to table. 1 "Regulations on examinations and tests in NULES of Ukraine" (order of entry into force of 27.12.2019 № 1371)

Student rating, points	National assessment based on the results of the compilation				
points	exams	tests			
90-100	Excellent				
74-89	Good	Credited			
60-73	Satisfactorily				
0-59	Unsatisfactorily	Not credited			

To determine the rating of the student (listener) for mastering the discipline R_{DIS} (up to 100 points) the obtained rating for certification (up to 30 points) is added to the rating of the student (listener) for academic work Rew (up to 70 points): $R_{DIS} = R_{ew} + R_{AT}$.

11. Methodical support

1. Educational and methodical complex of studying the discipline "Business Game "Strategy for the project implementation in the agro-industrial complex" (working program of the discipline, course of lectures, illustrative materials).

12. Recommended literature

- basic

- 1. Бутко М. П., Бутко І. М., Дітковська М.Ю. та ін. Менеджмент інвестиційної діяльності : підручник; за заг. ред. М.П.Бутка. К. : Центр учбової літератури, 2018. 480 с.
- 2. Дєліні М.М., Князєва Т.В. Міжнародні та національні гранти : навчально-методичний комплекс для магістрів спеціальності 073 «Менеджмент». Вінниця, 2018. 92 с.
- 3. Довгань Л. Є., Мохонько Г. А., Малик І. П. Управління проектами : навчальний посібник / Л. Є. Довгань, Г. А. Мохонько, І. П. Малик К. : КПІ ім. І. Сікорського, 2017. 429 с.
- 4. Евразийский стандарт управления проектами. Евразийский стандарт управления проектами. –М.: Евразийский центр управления проектами, 2012. 36с.
- 5. Забродська Г.І., Забродська Л.Д., Пічугіна Т.С., Грінько А.П. Стратегічний менеджмент. Частина 1. Теоретичні засади формування системи стратегічного управління в орагнізації. Навч. посіб. у структ.логіч. схемах. X: ХДУХТ, 2017. URL: http://www.dut.edu.ua/uploads/1/2005/81045597.pdf.
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- 7. Когон К., Блейкмор С., Вуд Дж. Керування проектами. Фаубла, 2018. 240 с.
- 8. Крайнік О.М. Планування проектних дій: навчально-методичний посібник для студентів ЗДІА спеціальності 8.18010013"Управління проектами» денної форми навчання / О.М. Крайнік, Н.І. Тахтаджиєва Запоріжжя, ЗДІА, 2015. 80 с.
- 9. Майорова Т.В. Проектне фінансування: підручник / Т.В. Майорова, О.О.Ляхова; за заг. та наук. ред. проф., д.е.н. Т.В. Майорової. 2-ге вид., перероб.і доп. Київ: КНЕУ, 2017. 434 с.
- 10. Медведєва О.М. Ціннісно-орієнтовано управління взаємодією в проектах: монографія. Сєвєродонецьк: СНУ ім. Володимира Даля, 2015. 242 с.
- 11. Петренко Н. О. Управління проектами. Навчальний посібник. / Н.О. Петренко, Л.О. Кустріч, М.О. Гоменюк. К.: Центр учбової літератури, 2016. 244 с.
- 12. Петрович Й.М., Новаківський І.І. Управління інноваційними проектами: навч. посіб. За заг. ред. Й. М. Петровича. Львів: Вид-во Львів.

політехніки, 2016. 313 с.

- 13. Приймак В.М. Управління проектами. Навчальий посібник. К.: Київський національний університет імені Тараса Шевченка, 2017. 464 с.
- 14. Прийняття проектних рішень: Навчальний посібник / Фещур Р. В., Кічор В. П., Якимів А. І., Тимчишин І. Є., Янішевський В. С., Лебідь Т. В., Самуляк В. Ю., Когут І. В., Шишковський С. В. Львів: Видавництво Львівської політехніки, 2013. 220 с.
- 15. Управління проектами. Теорія і практика професійного управління бізнес-проектами та програмами розвитку : підруч. [в 3 ч.] / В.О. Онищенко, О.В. Редкін, О.В. Комеліна, Д.М. Толкачов. Полтава : ПолтНТУ, 2017. Ч. 1. Загальна характеристика проектного та мультипроектного менеджменту. 284 с.
- 16. Управління проектами: навчальний посібник до вивчення дисципліни для магістрів галузі знань 07 «Управління та адміністрування» спеціальності 073 «Менеджмент» спеціалізації: «Менеджмент і бізнесадміністрування», «Менеджмент міжнародних проектів», «Менеджмент інновацій», «Логістика»/ Уклад.: Л.Є. Довгань, Г.А.Мохонько, І.П Малик. К.: КПІ ім. Ігоря Сікорського, 2017. 420 с.
- 17. Фесенко Т. Г. Управління проектами: теорія та практика виконання проектних дій: навч. посібник / Т. Г. Фесенко; Харк. нац. акад. міськ. госп-ва. Х.: ХНАМГ, 2012. 181 с.
- 18. Шинкарук Л.В., Мостенська Т.Л., Мостенська Т.Г. Інвестиційний менеджмент : навчальний посібник. Національний університет біоресурсів і природокористування України., 2017. 160 с.

Additional:

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