SYLLABUS OF DISCIPLINE
"INFORMATION TECHNOLOGIES IN PROJECTS MANAGEMENT: Scrum, Agile, MsProject"

Degree of higher education: Master
Specialty: 073 Management
Educational program: Management of investment activities and international projects
Year of study: 1, semester 2
Form of study: full-time (full-time, part-time)
Number of ECTS credits: 2
Teaching language: English

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Course page on eLearn	https://elearn.nubip.edu.ua/course/view.php?id=4930

DESCRIPTION OF THE DISCIPLINE
(up to 1000 printed characters)

The educational component "Information technologies in project management" belongs to the cycle of special (professional) training.

As a result of studying of the educational component, students will master the following competencies:

Integral:

Ability to perform tasks in the field of investment management and international projects, which involves application of modern theories and methods of investment and project management in professional activities or in the process of training, research and/or innovation.

General competencies:
- Ability to use information and communication technologies to search, process, analyze information from various sources and make decisions.
- Ability to think abstractly, search, process, analyze, synthesize and establish relationships between facts and processes
- Ability to learn, analyze modern knowledge and apply it in practical situations.
- Ability to conduct research, evaluate and ensure the quality of work performed, make informed decisions and generate new ideas.
- Ability to organize and motivate people to move towards a common goal, work in a team, show initiative and entrepreneurship, act on ethical considerations
- Ability to work in an international context, use information and communication technologies

Special (professional, subject) competencies:
- Ability to organize the collection of necessary information, to analyze it for further development of the business plan
- Ability to effectively manage international projects
- Ability for self-development, lifelong study and effective self-management in project management.
- Ability to carry out the formation of investment resources
- Ability to make decisions in the management of investment activities and international projects.

COURSE STRUCTURE

Topic	Hours (lectures / laboratory, practical, seminar)	Learning outcomes	Tasks	Evaluation
MODULE 1. INFORMATION SYSTEMS AND TECHNOLOGIES IN PROJECT MANAGEMENT				
Topic 1. The role and importance of information technologies in project management		Understand the essence of information technologies and their application in project management	Performing practical tasks, independent work in Elearn	Self-study (SS): 5 points
Topic 2. Traditional and Agile-methodology in project management		Investigate and analyze Agile-methodology, and its role in projects	Performing practical tasks, cases, Elearn	SS: 5 points
Topic 3. Self-organized teams and Scrum technology		Analyze team management in terms of Scrum technology	Performing practical tasks, cases, Elearn	SS: 5 points
Topic 4. Methodologies Kanban, XP, Lean		Comparative analysis of alternative to Scrum methodologies	Practical tasks, Elean	SS: 5 points
MODULE 2. MANAGEMENT OF THE CORE PROJECT COMPONENTS				
Topic 5. Managing project teams		Know the basic patterns of team management	Performing practical tasks, cases, Elearn	SS: 5 points
Topic 6. Managing project contracts and performance		To study and be acquainted with the major contract indexes	Performing practical tasks, Elearn	SS: 5 points
Topic 7. Evaluation of project quality and possible risks		Understand classification of risks and tools for quality management	Performing practical tasks, Elearn	SS: 5 points
Topic 8. Projects integration and automation		Learn and understand the principles of projects integration and MS Project application	Individual assignments on Elearn	SS: 5 points
Total for the semester				**70**
Exam				**30**
Total for the course				**100**

Students prepare a Course-Work under supervision and guidance of the Instructor

EVALUATION POLICY

Deadline policy:	Course-Works that are submitted in violation of deadlines without good reason are evaluated after individual consultations.
Academic Integrity Policy:	Communications during tests and exams are prohibited (including the use of electronic gadgets).
Visiting Policy:	Attendance is mandatory. For objective reasons (for example, international studies) training can take place individually (in online form in consultation with the dean of the faculty)

STUDENT EVALUATION SCALE

Students Rating, points	National assessment for the results of examinations	
	exams	tests
90-100	excellent	accepted
74-89	good	
60-73	satisfactory	
0-59	unsatisfactory	not accepted