



Syllabus of the course

« IT project management »

Specialty	<i>121 Software engineering</i>
Study Programme	<i>Software engineering</i>
Study cycle (Bachelor, Master, PhD)	<i>the first (Bachelor) level of higher education</i>
Course status	<i>mandatory</i>
Language	<i>Ukrainian</i>
Term	<i>third year, fifth semester</i>
ECTS credits	<i>5</i>
Workload	<i>Lectures – 24 hours. Laboratory studies – 24 hours. Self-study – 102 hours.</i>
Assessment system	<i>Grading including Exam</i>
Department	<i>Department of Information Systems, aud. 413 (main building), (057) 702-18-31 (ext. 4-37), website of the department: http://www.is.hneu.edu.ua/</i>
Teaching staff	<i>Irina Zolotareva, Professor, PhD in Economics</i>
Contacts	<i>i_ryna.zolotaryova@hneu.net</i>
Course schedule	<i>Lectures: according to the current class schedule Laboratory: according to the current class schedule</i>
Consultations	<i>At the Department of Information systems, online, according to the schedule, individual, PNS chat</i>

Learning objectives and skills:

acquisition by students of theoretical knowledge and practical skills in the methodology of IT project management, in particular, in the role of members of project teams in the conditions of active development of the industry in Ukraine

Structural and logical scheme of the course

Prerequisites	Postrequisites
Programming	Training on the basics of IT project management
Object-oriented programming	Software quality and testing
System and business analysis in IT industry	The basics of IT business
	Complex training

Course content

Module 1: *Theoretical foundations and methodological support of IT project management*

Topic 1. **General provisions of software development project management software**

Topic 2. **Life cycle of the project**

Topic 3. **Modeling of business processes**

Topic 4. **International project management standards. Basics of PMBOK**

Module 2: *Practical aspects of IT project management. Agile methodology*

Topic 5. **Project management based on the MSF standard. Project team and quality management**

Topic 6. **Justification of the organizational management structure and evaluation of the**



project's effectiveness

Topic 7. Management of the content, terms and risks of the project

Topic 8. Project resource and cost management

Topic 9. Agile project management methodology

Topic 10. Scrum: team and processes, meetings and artifacts

Teaching environment (software)

Multimedia projector, S. Kuznets PNS, Corporate Zoom system, MS Project, Zoho project, Trello

Assessment system

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

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

The maximum amount during the semester – 60 points; the minimum amount required is 35 points. Final control is carried out at the end of the semester in the form of an exam (the maximum amount is 40 points, the minimum amount required is 25 points).

Current control includes the following assessment methods: assignments on a particular topic; testing; presentations, and essay writing.

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

Course policies

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

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

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

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