

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	Management of Projects
Course title:	Management of Projects

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Računalništvo in spletne tehnologije, visokošolski strokovni študijski program prve stopnje	-	Drugi ali tretji	Četrty ali šesti
Computer Science and Web Technologies, first cycle Professional Study Programme	-	Second or third	Fourth or sixth

Vrsta predmeta / Course type

Izbirni / Elective

Univerzitetna koda predmeta / University course code:

2-RST-VS-IP-MP-2026-06-24

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	45	-	-	105	6

Nosilec predmeta / Lecturer:

Izr. prof. dr. Katarina Rojko

**Jeziki /
Languages:**

**Predavanja /
Lectures:**

Slovenski, angleški / Slovene, English

Vaje / Tutorial:

Slovenski, angleški / Slovene, English

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Na prvi izpitni rok v študijskem letu se lahko prijavijo študenti, ki so bili na predavanjih in vajah prisotni vsaj 75 %, ali študenti, ki so pozitivno opravili kolokvij.

Prerequisites:

Students who have attended at least 75% of the lectures and tutorials or students who have passed the midterm exam may register for the first exam date in the academic year.

Vsebina:

- Uvod v projektno vodenje.
- Informacijski vidik in skupine procesov vodenja projekta.
- Naloge projektnega menedžerja.
- Obvladovanje integracije projekta.
- Obvladovanje obsega projekta.
- Obvladovanje časa projekta.

Content (Syllabus outline):

- Introduction to Project Management.
- Information Technology Context and Process Groups in Project Management.
- Tasks of project manager.
- Project Integration Management.
- Project Scope Management.
- Project Time Management.

- Obvladovanje stroškov projekta.
- Obvladovanje kakovosti projekta.
- Obvladovanje človeških virov projekta.
- Obvladovanje komuniciranja v projektu.
- Obvladovanje tveganj projekta.
- Obvladovanje oskrbovanja projekta.

- Project Cost Management.
- Project Quality Management.
- Project Human Resource Management.
- Project Communications Management.
- Project Risk Management.
- Project Procurement Management.

Temeljni literatura in viri / Readings:

- Stare, Aljaž. (2011). Projektni menedžment: teorija in praksa. Ljubljana: Agencija Poti.
- Rojko, Katarina. Prosojnice in gradiva s predavanj in vaj za posamezno študijsko leto pri predmetu Projektni menedžment. FIŠ: Moodle.

Izbrana poglavja iz:

- Stare, Aljaž (2021). Agilno!?: projekti, zaposleni, podjetja. Ljubljana: Agencija Poti.
- Meredith, R.J. Shafer, S.M. in Mantel, S. J. (2021). *Project Management: A Managerial Approach* (11. izdaja), John Wiley & Sons, Inc.
- Project Management Institute.(2021). PMBOK® Guide – Seventh Edition.
- Marchewka, Jack, T. (2015). *Information Technology Project Management: 5th Edition*. Illinois: John Wiley & Sons.
- Turner, J.R. (2014). *The Handbook of Project-based Management: Leading Strategic Change in Organizations* (4. izdaja). McGraw-Hill Professional.

Cilji in kompetence:

Učna enota prispeva k razvoju naslednjih splošnih:

- razvoj kritične in samokritične presoje
- poznavanje pomena kakovosti in prizadevanje za kakovost strokovnega dela skozi avtonomnost, (samo)kritičnost, (samo)refleksivnost in (samo)evalviranje v strokovnem delu
- organizacijske in vodstvene spretnosti za organiziranje aktivnega in samostojnega dela
- razumevanje odnosov med posamezniki, organizacijami in družbenim okoljem, zmožnost za kompleksno sistemsko gledanje in delovanje
- poznavanje in razumevanje teoretičnih osnov analitičnega in svetovalnega dela (prenos znanja do uporabnika)
- načrtovanje in obvladovanje sprememb ob oblikovanju celovite ocene stanja v organizaciji ali družbenem okolju z upoštevanjem različnih dejavnikov

Objectives and competencies:

The instructional unit contributes to the development of the following general:

- development of critical and self-critical judgement
- familiarity with the importance of quality, striving to maintain the quality of professional work through practicing autonomous behaviour, showing initiative, as well as through (self-)criticism, (self-)reflection and (self-)evaluation
- organizational and leadership skills for the purposes of organizing active, individual work processes
- understanding relations among individuals, organizations and social environment, ability to observe and operate from a point of view of a system
- familiarity with and understanding of theoretical basics of analytical and consultation work (transfer of knowledge to the user)
- planning and control of changes when compiling a full assessment of the state

in predmetno-specifičnih kompetenc:

- poznavanje in razumevanje značilnosti izvajanja projektov po postopkih projektnega managementa
- poznavanje življenjskega cikla projektov
- razumevanje nalog projektnega managerja
- razumevanje postopkov in pogojev za uspešno realizacijo projektov, vplivov na projekt ter sposobnost upoštevanja le-teh
- sposobnost priprave idejne zasnove manjšega projekta in elaborata za izvedbo projekta
- razvoj spretnosti potrebnih za vodenje manjših projektov oz. za sodelovanje v projektnem timu

of an organization or a social environment while considering different factors

and subject-specific competencies:

- knowledge and understanding of the characteristics of project implementation according to project management procedures
- knowledge of the project life cycle
- understanding of the tasks of a project manager
- understanding of the procedures and conditions for successful project implementation, project impacts and the ability to take these into account
- ability to prepare a conceptual design for a small project and a project implementation study (an elaboration)
- development of the skills required to manage small projects or to work as part of a project team

Predvideni študijski rezultati:

Znanje in razumevanje:

- osnove projektnega vodenja in njegovega pomena za uspeh projektov informacijskih tehnologij
- osnovnih konceptov in metodologij projektnega vodenja, vključujoč: trojno omejitev projektnega vodenja, življenjski cikel projekta, projektno organizacijo, procese projektnega vodenja, strukturirano členitev dela, mrežni diagram in analizo kritične poti, tehnike ocenjevanja stroškov in proračuna projekta, spremljanje projekta, projektna tveganja, itd.

Ključne veščine za:

- aktivno sodelovanje v različnih projektih, zlasti na področju informacijskih tehnologij
- sodelovanje v projektnih timih v različnih vlogah
- uporabo programskih orodij za načrtovanje in upravljanje projektov
- pripravo projektne dokumentacije

Intended learning outcomes:

Knowledge and understanding:

- foundations of project management and its importance to the success of information technology projects
- basic project management concepts and methodology including: the triple constraint of project management, project life cycle, project organisation, project management processes, work breakdown structures, network diagrams and critical path analysis, cost estimating techniques and project budgets, project monitoring, risk management, etc.

Key skills to:

- actively participate in various projects, especially in information technology
- co-operate in project teams in different roles
- use project management software tools to plan and manage projects
- preparation of project documentation

Metode poučevanja in učenja:

- predavanja in vaje z aktivno udeležbo študentov (predstavitve, diskusije, študije primerov, reševanje problemov)
- konzultacije
- priprava projektnega načrta (elaborata)
- samostojni študij

Learning and teaching methods:

- lectures and tutorials with active students' engagement (presentations, discussions, case studies, problem solving)
- consultations
- preparation of project plan (an elaboration)
- individual study

Delež (v %) /

Weight (in %)

Načini ocenjevanja:**Assessment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt):

Type (examination, oral, coursework, project):

- pisni izpit

100

- written examination

Reference nosilca / Lecturer's references:

- ERMAN, Nuša, ROBIDA, Nika, ROJKO, Katarina. Differences among higher education students from the ICT field : formal education vs. lifelong learning. Journal of infrastructure, policy and development. 2025, vol. 9, iss. 1, [article no.] 10714, str. 1-20, ilustr. ISSN 2572-7931. [COBISS.SI-ID 225593603]
- ROJKO, Katarina, ERMAN, Nuša. The Impact of the Covid-19 Pandemic on Higher Education Students' Perceptions of Educational Applications and Platforms. International Journal of Cognitive Research in Science, Engineering and Education. 2023, vol. 11, no. 2, str. 267-279, ilustr. ISSN 2334-8496. [COBISS.SI-ID 162876675]
- ROJKO, Katarina, LESJAK, Dušan, ERMAN, Nuša. The COVID-19 Pandemic Crisis : impact on ICT spending. Journal of computer information systems. 2023, vol. 63, iss. 4, str. 1-16, ilustr. ISSN 0887-4417. DOI: 10.1080/08874417.2022.2103857. [COBISS.SI-ID 117632003]
- ERMAN, Nuša, ROJKO, Katarina, LESJAK, Dušan. Traditional and new ICT spending and its impact on economy. Journal of computer information systems. 2022, vol. 62, iss. 2, str. 384-396, ilustr. ISSN 0887-4417. [COBISS.SI-ID 44760067]
- ROJKO, Katarina, LUŽAR, Borut. Scientific performance across research disciplines : trends and differences in the case of Slovenia. Journal of informetrics : an international journal. 2022, vol. 16, iss. 2, str. 1-21, ilustr. ISSN 1751-1577. DOI: 10.1016/j.joi.2022.101261. [COBISS.SI-ID 98097923]
- LIKOVIČ, Anja, ROJKO, Katarina. E-learning and a case study of coursera and EDX online platforms. Research in social change. 2022, vol. 14, iss. 1, str. 94-120. [COBISS.SI-ID 163821571]