

## UČNI NAČRT PREDMETA / COURSE SYLLABUS

<b>Predmet:</b>	Menedžment projektov
<b>Course title:</b>	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-2026-04-23

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 / Slovenian, Angleški / English  
Vaje / Tutorial: Slovenski / Slovenian, Angleški / English

**Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:**  
 Študent/študentka mora pred pristopom k izpitu uspešno pripraviti in zagovarjati seminarsko nalogo.

**Prerequisites:**  
 Prior to the exam, students must successfully prepare and defend an seminar paper.

**Vsebina:**

- *Projekti v organizacijskih sistemih.* Opredelitev projektnega menedžmenta. Povezanost strategij in projektov. Izhodiščna definicija. Vrste projektov. Namen in objekt projekta. Struktura projekta. Oblikovanje ciljev projekta. Faze projekta.
- *Organiziranje projektov.* Projektni sistem. Načini vključevanja izvajalnih sistemov v projekte. Modeli organiziranja

**Content (Syllabus outline):**

- *Projects in organizational systems.* Definition of project management. Relationship strategies and projects. Initial definition. Types of projects. The purpose and object of the project. The structure of the project. Design goals of the project. Phases of the project.
- *Projects organizing.* Project system. Ways of integration of implementing systems into projects. Models of organizing

<p>projektov. Projektno usmerjeni poslovni procesi. Projektni rezultat.</p> <ul style="list-style-type: none"> <li>• <i>Iniciranje razvoja organizacij in projekti.</i> Načelo planiranja in organiziranja razvoja po projektnem pristopu.</li> <li>• <i>Inovacije in projekti.</i> Projekti v inovacijskem procesu. Projekti inovacije proizvodov in storitev. Projekti razvoja organizacijskih in informacijskih sistemov.</li> <li>• <i>Projektna organizacija.</i> Vrste projektne organizacije. Projektni timi. Metoda matričnega razčlenjevanja projektnega vodenja. Vključevanje projektne organizacije v obstoječo organizacijo podjetja.</li> <li>• <i>Vodenje projektov.</i> Načela vodenja izvajanja projektov. Načela usklajevanja. Dinamičnost projektnega vodenja. Instrumentarij projektnega vodenja. Metode planiranja in spremljanja projektov - mrežno planiranje. Projektni informacijski sistem. Projektna dokumentacija.</li> <li>• <i>Praktični pristop.</i> Projektni menedžment v gospodarstvu, upravi in neprofitnih organizacijah. Mednarodni projektni menedžment. Postopki prijave projektov za koriščenje sredstev EU.</li> </ul>	<p>projects. Project-oriented business processes. Project output.</p> <ul style="list-style-type: none"> <li>• <i>Initiating development of organizations and projects.</i> The principle of planning and organizing development by project approach.</li> <li>• <i>Innovation and projects.</i> Projects in the innovation process. Innovation projects, products and services. Development projects of organizational information systems.</li> <li>• <i>Project organization.</i> Types of project organization. Project teams. Matrix method of breaking down the project management. Integration of project organization in the existing organization of the company.</li> <li>• <i>Project management.</i> Management principles for project implementation. The matching principle. Dynamic nature of project management. Project management instruments. Methods of planning and project monitoring - Network Planning. Project information system. The design documentation.</li> <li>• <i>A practical approach.</i> Project management of the economy, government and nonprofit organizations. International project management. Procedures of projects applications to benefit from EU funds.</li> </ul>
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### Temeljni literatura in viri / Readings:

<ul style="list-style-type: none"> <li>• Stare, Aljaž. (2011). Projektni menedžment: teorija in praksa. Ljubljana: Agencija Poti.</li> <li>• Rojko, Katarina. Prosojnice in gradiva s predavanj in vaj za posamezno študijsko leto pri predmetu Projektni menedžment. FIŠ: Moodle.</li> </ul> <p>Izbrana poglavja iz:</p> <ul style="list-style-type: none"> <li>• Stare, Aljaž (2021). Agilno!?: projekti, zaposleni, podjetja. Ljubljana: Agencija Poti.</li> <li>• Meredith, R.J., Shafer, S.M. in Mantel, S. J. (2021). Project Management: A Managerial Approach (11. izdaja), John Wiley &amp; Sons, Inc.</li> <li>• Project Management Institute.(2021). PMBOK® Guide – Seventh Edition.</li> <li>• Marchewka, Jack, T. (2015). Information Technology Project Management: 5th Edition. Illinois: John Wiley &amp; Sons.</li> <li>• Turner, J.R. (2014). The Handbook of Project-based Management: Leading Strategic Change in Organizations (4. izdaja). McGraw-Hill Professional.</li> </ul>
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### **Cilji in kompetence:**

*Učna enota prispeva k razvoju naslednjih splošnih in predmetno-specifičnih kompetenc:*

#### *Splošne kompetence:*

- 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

#### *Predmetno-specifične kompetence:*

- 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

### **Objectives and competences:**

*Learning unit contributes to the development of the next general and subject-specific competences:*

#### *General competences:*

- 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 of an organization or a social environment while considering different factors

#### *Subject-specific competences:*

- 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:

*Študent/študentka:*

- pozna in razume pomen in večplastnost procesnega pristopa pri obvladovanju projektov
- pozna in razume vlogo in pomen kakovosti projektnega menedžmenta v poslovnih odnosih
- razume interakcijsko delovanje dejavnikov, ki vplivajo na uspešnost in učinkovitost obvladovanja projektov in projektnega dela
- pozna in uporablja sodobne pristope, modele in orodja za doseganje in nenehno izboljševanje kakovosti projektov in projektnega menedžmenta
- uporablja osnovno znanje in veščine s področja projektnega menedžmenta
- izvede študijo primera z uporabo osnovne programske opreme
- reflektira in kritično ovrednoti različne izkušnje s področja projektnega menedžmenta
- aktivno in kritično spremlja in reflektira aktualno dogajanje na področju projektnega menedžmenta
- v povezavi z drugimi predmeti pozna, razume in reflektira kompleksnost strokovnih in družbenih nalog zaposlenih pri obvladovanju projektov in projektnega dela
- pozna in razume umeščenost projektnega menedžmenta v širše družbene, kulturne in vrednotne kontekste ter z refleksijo teh kontekstov oblikuje intelektualno aktiven odnos do sveta
- pozna postopek priprave projektne dokumentacije

**Intended learning outcomes:**

Knowledge and understanding:

*The student:*

- knows and understands the meaning and the multi-faceted nature of a process approach when controlling projects
- knows and understands the role and meaning of quality of project management in business relations
- understands interactions between different factors, which influence successfulness and effectiveness of project control and project work
- knows and uses modern approaches, models and tools for achieving project quality and constant improvement of said quality and project management
- uses basic knowledge and skills related to project management
- conducts a case study using basic software
- reflects upon and critically evaluate different experiences related to project management
- conducts active and critical monitoring and reflect upon current events related to project management
- knows, understand and reflect upon the complexity of professional and social tasks of employees when controlling projects and project work in connection with other subjects
- know and understands the placement of project management within the wider societal, cultural and value related contexts and, by reflecting upon such contexts, form an intellectually active attitude towards the world
- is familiar with the process of preparing project documentation

**Metode poučevanja in učenja:**

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

**Learning and teaching methods:**

- lectures and tutorials with active students' engagement (presentations, discussions, case studies, problem-solving)
- consultations
- preparation of a seminar paper (an elaboration)

	<ul style="list-style-type: none"> <li>individual study</li> </ul>
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Delež (v %) /  
Weight (in %)

**Načini ocenjevanja:**

**Assessment:**

<p>Način (pisni izpit, ustno izpraševanje, naloge, projekt):</p> <ul style="list-style-type: none"> <li>seminarska naloga</li> <li>pisni izpit</li> </ul> <p>Študent mora pozitivno opraviti vsak posamezni izdelek.</p>	<p>40</p> <p>60</p>	<p>Type (examination, oral, coursework, project):</p> <ul style="list-style-type: none"> <li>written seminar work</li> <li>written examination</li> </ul> <p>A student has to obtain a pass in each deliverable item to pass the subject as a whole.</p>
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**Reference nosilca / Lecturer's references:**

- ROJKO, Katarina. Requirements and obstacles of e-research. Research in social change, May 2016, vol. 8, iss. 2, str. 53-74, [COBISS.SI-ID 4662011]
- ROJKO, Katarina, JELOVAC, Dejan. Challenges due to excessive amount of online data and (mis)Information. V: STRAHONJA, Vjeran (ur.), KIRINIĆ, Valentina (ur.). CECIIS : Central European Conference on Information and Intelligent Systems : 29th international conference, September 19th-21st, 2018, Varaždin, Croatia. Varaždin: Faculty of Organization and Informatics, 2018. Str. 33-38. [COBISS.SI-ID 2048535571]
- ROJKO, Katarina. Sustainable industry robotization. Innovative issues and approaches in social sciences. May 2020, vol. 13, no. 2, str. 6-21. [COBISS.SI-ID 33032451]
- 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]
- ERMAN, Nuša, ROJKO, Katarina. Covid-19 impacts on industry robotization. V: BEĆIROVIĆ, Damir (ur.), ARNAUT, Dino (ur.). Book of Proceedings : 6th International scientific conference on digital economy DIEC 2023. Tuzla: Visoka škola za savremeno poslovanje, informacione tehnologije i tržišne komunikacije "Internacionalna poslovno - informaciona akademija", 2023. Str. 57-69. [COBISS.SI-ID 162541059]