

UČNI NAČRT PREDMETA/COURSE SYLLABUS	
Predmet:	Planiranje in vodenje projektov
Course title	Project Management and Planning

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Upravljanje poslovnih in informacijskih sistemov / 2. stopnja	Upravljanje poslovnih sistemov	2. letnik	3.
Business and Information Systems Management / 2 nd Cycle	Business Systems Management	2 nd year	3 rd

Vrsta predmeta/Course type	izbirni/elective
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Univerzitetna koda predmeta/University course code	2_UPS_IP_UN1
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Predavanja Lectures	Seminar	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
15		10			155	6

Nosilec predmeta/Lecturer:	prof. dr. Karmen Erjavec
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Jezik/ Languages:	Predavanja/Lectures: slovenski/Slovenian
	Vaje/Tutorial: slovenski/Slovenian

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisites:
<ul style="list-style-type: none"> pogoj za vključitev v delo je vpis v drugi letnik študijskega programa, študent mora pred izpitom pripraviti in predstaviti projektno naložbo. 	<ul style="list-style-type: none"> the condition for inclusion is entry in the second year of study, student has to prepare, present and defend a project paper before the exam.

Vsebina:	Content (Syllabus outline):
<ul style="list-style-type: none"> Uvod: pomen projektnega vodenja pri razvoju programske opreme. Tradicionalno projektno vodenje. Agilno projektno vodenje (Scrum, Extreme programming). Načrtovanje projektov z Microsoft Office Project Professional 2003. Zahteve za programsko opremo. Načrtovanje programske opreme. Kodiranje programske opreme. Testiranje programske opreme. Vpeljevanje programske opreme. 	<ul style="list-style-type: none"> Introduction: the importance of project management in software development. Traditional project management. Agile project management (Scrum, Extreme programming). Project planning with Microsoft Office Project Professional 2003. Software requirements. Software design. Software coding. Software testing.

<ul style="list-style-type: none"> • Ljudje in razvoj programske opreme. 	<ul style="list-style-type: none"> • Software Launch. • People and software development.
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Temeljna literatura in viri/Readings:

- Marc, M., Ponikvar, Tekavčič, N. M. (2020). Ekonomika projektov. Ljubljana: Ekonomska fakulteta Univerze v Ljubljani.
- Hipkin, P. (2017). Fundamentals of risk management: understanding, evaluating and implementing effective risk management. New York: Kogan Page.
- Graham, N. (2014). Project management. Chichester: J. Wiley & Sons.
- Kušar, J. (2018). Investicijski inženiring in vodenje projektov. Ljubljana: Fakulteta za strojništvo.

Cilji in kompetence:

Učna enota prispeva predvsem k razvoju naslednjih splošnih in specifičnih kompetenc:

- celovito kritično mišljenje in sposobnost analize, sinteze in predvidevanje rešitev ter posledic problemov s področij ekonomskih, poslovnih, upravnih, organizacijskih, naravoslovno-matematičnih in drugih družbenih ved (interdisciplinarnost),
- obvladovanje raziskovalnih metod postopkov, procesov in tehnologije,
- avtonomnost pri odločanju ter sprejemanju odločitev in odgovornost za sprejete odločitve,
- usposobljenost za prepoznavanje potreb po spremembah in uvajanju le teh,
- etična refleksija in zavezanost profesionalni etiki,
- sposobnost sodelovanja v skupinah za razvoj programske opreme,
- sposobnost vodenja skupin za razvoj programske opreme,
- razvoj programske opreme v skladu z najboljšimi izkušnjami stroke.

Objectives and competences:

The learning unit mainly contributes to the development of the following general and specific competences:

- comprehensive critical thinking, the competence for analysis, synthesis and anticipating solutions in the field of economic, business, management and organizational sciences, as well as natural-mathematical and other social sciences (interdisciplinarity),
- mastering the research methods of procedures, processes and technology,
- autonomy in decision-making and responsibility for decisions taken,
- the ability to identify needs for changes and their introduction,
- ethical reflection and commitment to professional ethics,
- the ability to participate in software development groups,
- the ability to manage software development groups,
- software development according to the best experience of the profession.

Predvideni študijski rezultati:

Študent/Studentka:

- pozna in razume pomen klasičnega projektnega vodenja,
- pozna in razume pomen modernega agilnega projektnega vodenja,
- uporablja osnovno znanje in veščine s področja projektnega vodenja,
- pozna in uporablja programska orodja za podporo projektnemu

Intended learning outcomes:

Students:

- know and understand the importance of classical project management,
- know and understand the importance of modern agile project management,
- use basic knowledge and skills in project management,

<p>vodenju,</p> <ul style="list-style-type: none"> pridobljeno znanje uporablja pri procesih zajema zahtev, načrtovanja, kodiranja, testiranja in vpeljevanja programske opreme. 	<ul style="list-style-type: none"> know and use software tools to support project management, use the acquired knowledge in processes of capturing requirements, designing, coding, testing and deployment of software.
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Metode poučevanja in učenja:

- predavanja* z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov),
- vaje in projektna naloga* v povezavi s prakso (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, diskusija, sporočanje povratne informacije).

Learning and teaching methods:

- lectures* with active participation of students (explanation, discussion, questions, examples, problem solving);
- tutorial and project paper* in connection with practice (reflection of experience, project work, teamwork, critical thinking methods, discussion, feedback);

Načini ocenjevanja:	Delež (v %) Weight (v %)	Assessment:	
			Types:
Načini: <ul style="list-style-type: none"> 100 % udeležba na predavanjih in vajah, uspešno opravljena projektna naloga s predstavitevijo in zagovorom. Če študent ni 100 % udeležen na predavanjih in vajah, mora poleg projektne naloge opraviti tudi izpit: - izpit, - priprava, predstavitev in zagovor projektne naloge.	100 % 60 % 40 %	<ul style="list-style-type: none"> 100 % attendance of lectures and tutorial, successfully accomplished project assignment with presentation and defense. If the student has not fully attended lectures and tutorial (100%), they have to prepare the project paper and take the exam: <ul style="list-style-type: none"> - exam, - preparation, presentation and defense of a project paper. 	
Ocenjevalna lestvica: ECTS.		Grading scheme: ECTS.	