



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet: Projektni management
Course title: Project management

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biologija, 1. stopnja		3	6
Biology, level 1		3	6

Vrsta predmeta / Course type

Obvezni / Obligatory

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30		15			75	4

Nosilec predmeta / Lecturer:

Izr. prof. dr. Igor Vrečko

Jeziki /

Languages:

Predavanja /

Lectures:

slovenski / Slovenian

Vaje / Tutorial:

slovenski / Slovenian

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

Prerequisites:

Vsebina:

Content (Syllabus outline):

- projekt, razvrstitev projektov, pomen projektov za oblikovanje in izvajanje razvoja organizacij,
- življenjski ciklusi projektov,
- projektno usmerjena podjetja in druge organizacije,
- planiranje projektov in zagon izvajanja projektov,
- projektni sistemi naročnika, skrbništva, izvajalcev, vplivnih dejavnikov in prevzema projektov,
- projektna organizacija in osnovna načela organiziranja projektno usmerjenih podjetij in drugih organizacij,
- vodenje in kontrola izvajanja projektov,
- obvladovanje tveganj in sprememb na projektih,
- struktura znanj in poklicna kvalifikacija projektne managerja,
- projektni management v gospodarstvu, v javni upravi in drugih neprofitnih organizacijah,
- projekti na področjih biologije in biotehnologije.

- project, classification of projects, importance of projects for designing and implementing the development of organizations,
- life cycle of projects,
- project-oriented companies and other organizations,
- project planning and their implementation start-up,
- project systems: project owner, project sponsor, activities implementers, influential factors and project's outputs receivers,
- project organization and basic principles of organizing project-oriented companies and other organizations,
- managing and controlling the implementation of projects,
- managing projects' risks and changes,
- the structure of knowledge and professional qualifications of the project manager,
- project management in economy, public administration and other non-profit organizations,
- projects in the field of biology and biotechnology.

Temeljni literatura in viri / Readings:

Obvezna literatura / Compulsory literature:

1. HAUC, Anton: Projektni management, Ljubljana - GV Založba, 2007.
2. REBERNIK, Miroslav, ŠIREC, Karin: Ekonomika podjetja (5. izdaja), Ljubljana – GV Založba, 2016.

Priporočljiva literatura / Recommended literature:

3. Izbrani članki iz revije Projektna mreža Slovenije (ZPM – Slovensko združenje za projektni management)
4. Izbrani članki iz revije International Journal of Project Management (IPMA – International Project Management Association).
5. KERZNER, Harold: Using the Project Management Maturity Model: Strategic Planning for Project Management, 2019.

Cilji in kompetence:

Objectives and competences:

- razumevanje pomena projektov za strateški razvoj in razvoj poslovanja v profitnih in neprofitnih organizacijah ter pomena projektov za ekonomiko poslovanja teh organizacij,
- poznavanje značilnosti projektnega poslovanja v projektno usmerjenih organizacijah,
- osvojitve teoretičnih in metodoloških osnov projektnega managementa,
- poznavanje vloge projektnega managementa v sklopu celovitega managementa vse v smeri zagotavljanja uspešne priprave zagona in izvajanja projektov,
- vsa spoznanja v zvezi s projekti in projektnim managementom preveriti na pripravi elementov za zagonski zapis projekta.

- Understanding the importance of projects for strategic and business development and for business economics in profit and non-profit organizations
- knowledge of the characteristics of project business in project oriented companies
- to introduce theoretical and methodological bases of project management,
- knowledge of the role of project management in the context of general management in the direction of ensuring the successful preparation and implementation of projects, Check all project and project management findings on the preparation of elements for project start-up document. .

Predvideni študijski rezultati:

Znanje in razumevanje:

- zagotavljanje uresničevanja strateških in drugih ciljev,
- poznavanje razvojnih konceptov,
- iskanje projektne rešitve ter pridobitev znanja v skladu z mednarodnimi strukturami projektne znanj ICB in SZPM.

Prenosljive/ključne spretnosti in drugi atributi:

- zmožnost delovanja v timu,
- komuniciranje znotraj projektne sistema,
- uporaba znanja za oblikovanje projektne rešitve,
- razvit občutek za okolje, v katerem se pojavlja projekt,
- sposobnost motiviranja,
- obvladuje predstavljanje in utemeljevanje projekta,
- sposobnost povezovanja naravnostnih,

Intended learning outcomes:

Knowledge and understanding:

- to assure realization of strategic and other goals,
- knowledge of development concepts,
- searching for project solutions and gaining knowledge in accordance with international structure of knowledge ICB in SZPM.

Transferable/Key Skills and other attributes:

- ability to work in team,
- communication within the project system,
- application of knowledge for shaping project solutions,
- developed sense for environment in which the project is occurs,
- ability to motivate,
- ability to integrate science, organisational and other knowledge (interdisciplinary).

ekonomskih, organizacijskih in drugih znanj (interdisciplinarnost).

Metode poučevanja in učenja:

- klasična predavanja,
- AV predstavitve,
- obravnava aktualnih študijskih primerov in primerov iz prakse,
- aktivno skupinsko-projektno delo.

Learning and teaching methods:

- classic lectures,
- AV presentations,
- analyzing up-to-date studying and real practical cases
- active team-project work.

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Type (examination, oral, coursework, project):
- aktivno delo na predavanjih,	10%	- active participation on lectures
- aktivno delo navajah s predstavitvijo dosežkov,	10%	- active participation and presentation of achievements on exercises,
- izdelava seminarja – zagonskega elaborata projekta,	20%	- preparing project start-up document
- pisni izpit.	60%	- written exam

Reference nosilca / Lecturer's references:

VREČKO, Igor, KOVAČ, Jure, RUPNIK, Bojan, GAJŠEK, Brigita. Using queuing simulation model in production process innovations. *International journal of simulation modelling*, ISSN 1726-4529, Mar. 2019, vol. 18, no. 1, str. 47-58, ilustr. [https://doi.org/10.2507/IJSIMM18\(1\)458](https://doi.org/10.2507/IJSIMM18(1)458), doi: [10.2507/IJSIMM18\(1\)458](https://doi.org/10.2507/IJSIMM18(1)458). [COBISS.SI-ID [512976957](https://www.cobiss.si/id/512976957)], [JCR, SNIP, WoS], kategorija: 1A2 (Z, A1/2).

WANIVENHAUS, Helmut, KOVAČ, Jure, ŽNIDARŠIČ, Anja, **VREČKO, Igor**. Vienna construction projects : redirection of project management critical success factors - more focus on stakeholders and soft skills development. *Lex localis : revija za lokalno samoupravo*, ISSN 1581-5374. [Tiskana izd.], 2018, vol. 16, no. 2, str. 337-359, graf. prikazi, tabele, doi: [10.4335/16.2.337-359\(2018\)](https://doi.org/10.4335/16.2.337-359(2018)). [COBISS.SI-ID [8018707](https://www.cobiss.si/id/8018707)], [JCR, SNIP, WoS], kategorija: 1A2 (Z, A', A1/2).

LEBE, Sonja Sibila, **VREČKO, Igor**. Eco-labels and schemes : a requisitely holistic proof of tourism's social responsibility?. *Systems research and behavioral science : the official journal of the International Federation for Systems Research*, ISSN 1092-7026, 2015, vol. 32, iss. 2, str. 247-255. <http://dx.doi.org/10.1002/sres.2266>, doi: [10.1002/sres.2266](https://doi.org/10.1002/sres.2266). [COBISS.SI-ID [11688220](https://www.cobiss.si/id/11688220)], [JCR, SNIP, WoS], kategorija: 1A1 (Z, A'', A', A1/2).

VREČKO, Igor, ŽNIDARŠIČ, Anja, KOVAČ, Jure. Project management as a tool for fostering cooperation between municipalities in Slovenia. V: *Lex localis - Journal of Local Self Government: special issue*, (Lex localis, ISSN 1581-5374, Vol. 13, no. 3, July 2015). Maribor: Institute for Local

Self-Government and Public Procurement. **2015**, vol. 13, no. 3, str. 321-350, graf. prikazi, doi: [10.4335/13.3.321-350\(2015\)](https://doi.org/10.4335/13.3.321-350(2015)). [COBISS.SI-ID [12004636](#)], [[JCR](#), [SNIP](#), [WoS](#)], kategorija: 1A2 (Z, A', A1/2).

ŽARKOVIĆ, Neven, **VREČKO, Igor**, BARILOVIĆ, Zlatko. Creating holistic project-knowledge society through project management education in research and development. *Procedia - Social and Behavioral Sciences*, ISSN 1877-0428, Vol. 119 (2014)). [S. l.]: Elsevier. cop. **2014**, vol. 119, str. [210]-218. <http://dx.doi.org/10.1016/j.sbspro.2014.03.025>, doi: [10.1016/j.sbspro.2014.03.025](https://doi.org/10.1016/j.sbspro.2014.03.025). [COBISS.SI-ID [11698716](#)], [[SNIP](#), [WoS](#)], kategorija: 1A3 (Z, A', A1/2).