



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
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Univerzitetna koda predmeta / University course code:	
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Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30		15			75	4

Nosilec predmeta / Lecturer:	prof. dr. Igor Vrečko
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Jeziki / Languages:	Predavanja / Lectures:	slovenski / Slovenian
	Vaje / Tutorial:	slovenski / Slovenian

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

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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,
- projektna organizacija in osnovna načela organiziranja projektno usmerjenih podjetij in drugih organizacij,
- vodenje in kontrola izvajanja projektov,
- obvladovanje tveganj in sprememb na projektih,
- 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 organization and basic principles of organizing project-oriented companies and other organizations,
- managing and controlling the implementation of projects,
- managing projects' risks and changes,
- 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. spremenjena in dopolnjena izdaja), Ljubljana – GV Založba, 2024.

Priporočljiva literatura / Recommended literature:

3. Izbrani članki iz revije International Journal of Project Management (IPMA – International Project Management Association).
4. KERZNER, Harold: Using the Project Management Maturity Model: Strategic Planning for Project Management, 2019.

Cilji in kompetence:

- 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,
- osvojitev teoretičnih in metodoloških osnov projektnega managementa,

Objectives and competences:

- 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

- 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.

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 projektnih rešitev ter pridobitev znanja v skladu z mednarodnimi strukturami projektnih znanj ICB in SZPM.

Prenesljive/ključne spretnosti in drugi atributi:

- zmožnost delovanja v timu,
- komuniciranje znotraj projektnega sistema,
- uporaba znanja za oblikovanje projektnih rešitev,
- razvit občutek za okolje, v katerem se pojavlja projekt,
- sposobnost motiviranja,
- obvladuje predstavljanje in utemeljevanje projekta,
- sposobnost povezovanja naravoslovnih, ekonomskih, organizacijskih in drugih znanj (interdisciplinarnost).

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).

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:	Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt)	10%	Type (examination, oral, coursework, project):
- sodelovanje pri pedagoškem procesu,	20%	- in-class participation
- projekt	10%	- project
- ustna predstavitev		- oral presentation
- pisni izpit.	60%	- written exam

Reference nosilca / Lecturer's references:

Rožman, M., Vrečko, I., & Tominc, P. (2025). Psychological factors impacting academic performance among business studies' students. *Education Sciences*, 15(2), Article 121, 1–24. <https://doi.org/10.3390/educsci15020121>

Vrečko, I., Rožman, M., & Širec, K. (2024). Fostering SDG content integration in the economics and business undergraduate curriculum: A faculty-driven mapping approach. *Education Sciences*, 14(11), Article 1235, 1–15. <https://doi.org/10.3390/educsci14111235>

Rožman, M., Tominc, P., & Vrečko, I. (2023). Building skills for the future of work: Students' perspectives on emerging jobs in the data and AI cluster through artificial intelligence in education. *Environment & Social Psychology*, 8(2), 1–24. <https://doi.org/10.54517/esp.v8i2.1670>

Vrečko, I., Tominc, P., & Širec, K. (2023). Enhancing the performance of high-growth small- and medium-sized enterprises through effective project-management processes and stakeholder engagement: A systems perspective. *Systems*, 11(10), Article 511, 1–20. <https://doi.org/10.3390/systems11100511>