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**
Pravo in management infrastrukture in nepremičnin – 1. stopnja		3	2
Law and Management of Infrastructure and Real Estate – 1st degree		3	2

Vrsta predmeta / Course type:	izbirni / elective
Koda predmeta /Course code:	

Predavanja **Lectures**	**Seminar** **Seminar**	**Vaje** **Tutorial**	**Druge oblike študija** **Other type study**	**Samost. delo** **Individual work**	**ECTS**
35		30		85	6

Nosilec predmeta / Lecturer:		izr. prof. dr. Boštjan Aver/Assoc Prof Boštjan Aver
Jeziki/Languages:	Predavanja / Lectures:	slovenski jezik / Slovenian
	Seminar / Seminar:	slovenski jezik / Slovenian

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

Izpolnjevanje pogojev za vpis v 3. letnik.
Zahteva se vsaj 80 % prisotnost na predavanjih.

Prerequisites:

Fulfilment of the requirements for enrolment in the third year of study.
At least 80% attendance at lectures is required.

Vsebina:

1. Uvod v projektni management: opredelitev projekta, prepoznava projekta, opredelitev projektnega managementa, spoznavanje razmerja med projektom, projektnim managementom, strategijo in strateškim managementom.
2. Življenjski cikel projekta (od ideje do izvedbe): razumevanje različnih faz v življenju projekta in karakteristike projekta po etapah (začetek, planiranje, implementacija in zaključek); spoznavanje dela po etapah projekta in spoznavanje projektne dokumentacije; procesi v projektnem managementu in integracija procesov; snovanje, planiranje, organiziranje projekta; agilni in dinamični projektni management.
3. Razvoj projekta: obseg projekta ter planiranje časovnice in proračuna, definicija nalog, mejnikov, monitoring razvoja projekta, ocenjevanje tveganj, usklajevanje, nadzor in zaključek projekta.
4. Človeški viri v projektnem managementu: naročnik, uporabniki, partnerji, izvajalci (projektni tim), udeleženci projektov, timsko delo.
5. Vloga projektnega managerja: kompetence, vodenje, viri vpliva.

Content (Syllabus outline):

1. Introduction to Project Management: definition of a project, project identification, definition of project management, understanding the relationship between projects, project management, strategy, and strategic management.
2. Project Life Cycle (from idea to implementation): understanding the different phases in a project's life cycle and the characteristics of a project at each stage (initiation, planning, implementation, and closure); learning about work by project phases and project documentation; processes in project management and process integration; project design, planning, and organization; agile and dynamic project management.
3. Project Development: project scope, timeline and budget planning, definition of tasks and milestones, monitoring project development, risk assessment, coordination, control, and project closure.
4. Human Resources in Project Management: client, users, partners, contractors (project team), project stakeholders, teamwork.
5. The Role of the Project Manager: competencies, leadership, and sources of influence.

6. Analitične metode v projektnem menedžmentu. 7. Sistemska podpora in okolje za pripravo in izvedbo projektnega menedžmenta: organizacija in širše okolje (vloga zakonodaje in predpisov), organizacijska kultura.	6. Analytical Methods in Project Management. 7. System Support and Environment for Project Preparation and Implementation: organization and the broader environment (the role of legislation and regulations), organizational culture.

Temeljna literatura in viri / Readings:

Obvezna / Compulsory:

A guide to the project management body of knowledge (PMBOK guide) (2004). Newtown Square: Project Management Institute.

Stare, A. (2011). Projektni management: teorija in praksa. Ljubljana: Agencija POTI.

Priporočena / Recommended:

Cleland, D. I., Meredith, R. J., Mantel, S. J. (2000). Project Management. University of Cincinnati: John Wiley & Sons, Inc.

Hauc, A. (2007). Projektni management. Ljubljana: GV založba.

Heagney, J. (2016). Fundamentals of project management. New York: Amacom.

Walker, A. (2015). Project management in construction. Hoboken: John Wiley & Sons.

Young, T. L. (2016). Successful project management. London: Kogan Page Publishers.

Portny, S. E. (2017). Project management for dummies. Hoboken: John Wiley & Sons.

Cilji in kompetence:	**Objectives and competences:**
Študentje bodo razvili **splošne kompetence**: • sposobnost strateškega in operativnega razmišljanja pri doseganju ciljev organizacije; • sposobnost analiziranja, sintetiziranja in vrednotenja informacij ter predvidevanja rešitev in njihovih posledic; • sposobnost učinkovitega načrtovanja, organiziranja in upravljanja časa, virov in stroškov; • sposobnost timskega dela ter sodelovanja v različnih organizacijskih okoljih; • sposobnost vodenja in motiviranja projektnih timov; • sposobnost učinkovite komunikacije z različnimi interesnimi skupinami; • sposobnost fleksibilnega prenosa teoretičnih znanj v prakso; • sposobnost sprejemanja odločitev in reševanja problemov v dinamičnem okolju.	Students will develop the following **general competences**: • the ability to think strategically and operationally in achieving organizational goals; • the ability to analyse, synthesize, and evaluate information, as well as anticipate solutions and their consequences; • the ability to effectively plan, organize, and manage time, resources, and costs; • the ability to work collaboratively in teams and operate in diverse organizational environments; • the ability to lead and motivate project teams; • the ability to communicate effectively with various stakeholder groups; • the ability to flexibly transfer theoretical knowledge into practice; • the ability to make decisions and solve problems in dynamic environments.
Študentje bodo razvili **predmetno-specifične kompetence**: • poznavanje temeljnih konceptov, metod in orodij projektnega managementa; • sposobnost uporabe projektnega pristopa za uspešno doseganje organizacijskih ciljev; • sposobnost priprave, načrtovanja, izvajanja, spremljanja in zaključevanja projektov; • sposobnost definiranja projektnega obsega, časovnice, virov in proračuna; • sposobnost uporabe metod in tehnik za kontrolo in spremljanje projektov;	Students will develop the following **course-specific competences:** • knowledge of the fundamental concepts, methods, and tools of project management; • the ability to apply a project-based approach to successfully achieve organizational objectives; • the ability to prepare, plan, implement, monitor, and close projects; • the ability to define project scope, timelines, resources, and budgets; • the ability to apply methods and techniques for project monitoring and control;

• sposobnost prepoznavanja, analiziranja in obvladovanja projektnih tveganj; • sposobnost oblikovanja in vodenja učinkovitega projektnega tima; • sposobnost izbire ustrezne projektne organizacije glede na značilnosti projekta; • sposobnost uporabe analitičnih metod pri projektnem odločanju; • sposobnost uporabe sodobnih pristopov projektnega managementa, vključno z agilnimi metodami; • sposobnost priprave in uporabe projektne dokumentacije; • sposobnost povezovanja projektnega managementa s strateškim managementom organizacije.	• the ability to identify, analyse, and manage project risks; • the ability to design and lead effective project teams; • the ability to select an appropriate project organization structure according to project characteristics; • the ability to apply analytical methods in project decision-making; • the ability to use modern project management approaches, including agile methods; • the ability to prepare and use project documentation; • the ability to integrate project management with the strategic management of an organization.

Predvideni študijski rezultati:
Znanje in razumevanje:

Intended learning outcomes:
Knowledge and understanding:

Študent bo: • sposoben uporabljati projektni pristop pri doseganju strateških in operativnih ciljev organizacije; • sposoben načrtovati, organizirati, spremljati in kontrolirati projekte; • zmožen analizirati projektne zahteve, tveganja, vire in časovne okvire; • zmožen učinkovitega upravljanja časa, stroškov in človeških virov v projektnem okolju; • zmožen organizirati in voditi projektni tim ter sodelovati v timskem delu; • zmožen učinkovito komunicirati z različnimi interesnimi skupinami; • zmožen abstraktnega razmišljanja, analiziranja problemov in sinteze novih rešitev na področju projektnega managementa; • usposobljen za samostojno uporabo metod, tehnik in orodij projektnega managementa; • usposobljen za avtonomno iskanje odgovorov in reševanje problemov v projektnem okolju; • usposobljen za povezovanje projektnega managementa s strateškim managementom organizacije; • sposoben vrednotiti uspešnost projektov ter predlagati izboljšave projektnih procesov.	**Students will:** • be able to apply a project-based approach to achieving the strategic and operational goals of an organization; • be able to plan, organize, monitor, and control projects; • be capable of analysing project requirements, risks, resources, and timelines; • be capable of effectively managing time, costs, and human resources in a project environment; • be capable of organizing and leading a project team and collaborating in teamwork settings; • be capable of communicating effectively with various stakeholder groups; • be capable of abstract thinking, problem analysis, and synthesizing new solutions in the field of project management; • be trained to independently apply project management methods, techniques, and tools; • be trained for autonomous problem-solving and independent search for solutions in project environments; • be trained to integrate project management with the strategic management of an organization; • be able to evaluate project performance and propose improvements to project processes.

Metode poučevanja in učenja:

Oblike dela: ☒ Frontalna oblika poučevanja ☒ Delo v manjših skupinah oz. individualno ☒ Samostojno delo študentov ☒ Študij s pomočjo IKT tehnologij ☐ drugo (vpišite) _____ **Metode (načini) dela:** ☒ Razlaga ☒ Razgovor/ diskusija/debata ☒ Delo z besedilom ☒ Proučevanje primerov raziskav	**Types of learning/teaching:** ☒Frontal teaching ☒Work in smaller groups or individual work ☒ Independent students work ☒ Study with the help of ICT technologies ☐ other _____ **Teaching methods:** ☒ Explanation ☒ Conversation/discussion/debate ☒ Work with texts ☒ Research case studies

Learning and teaching methods:

☒ Igra vlog ☐ Druge vrste nastopov študentov ☒ Reševanje nalog/vaje ☐ Študijski obiski podjetij ipd.) ☐ Vključevanje gostov iz prakse ☐ Udeležba na okrogli mizi, na konferenci	☒ Role-play ☐ Different presentation ☒ Solving exercises/study exercises ☐ Field work (e.g. company visits) ☐ Inviting guests from companies ☐ Attending round table and conference

Načini ocenjevanja: **Način (pisni izpit, ustno izpraševanje, naloge, projekt)**	**Teža (v %) /** **Weight (in %)**	**Assessment:** **Type (examination, oral, coursework, project)**
Sprotno ustno (aktivno sodelovanje pri kontaktnih urah in pri raziskavah)	**20 %**	Oral verification and assessment of knowledge
Končni pisni izpit	**80 %**	Final examination (written)

Reference nosilca / Lecture's references:

Bogataj, D., McDonnell, L. R., Vodopivec, R., Aver, B. (ur.) (2013). Pokojninska zavarovanja z matematičnimi modeli upravljanja. Nova Gorica: Medifas, Center za raziskavo rizičnih sistemov, 2013.

Bogataj, D., McDonnell, L. R., Vodopivec, R., Aver, B. (ur.) (2012). Matematični modeli pokojninskih zavarovanj. Nova Gorica: Medifas, Center za raziskavo rizičnih sistemov.

Bogataj, D., Aver, B., Bogataj, M. (2016). Supply chain risk at simultaneous robust perturbations. International journal of production economics, 181, str. 68–78.

Bogataj, D., Aver, B. (2013). Residential real estate investments from the perspective of Act on social security benefits. Dignitas, 57/58, str. 252–276.

Bogataj, D., Temeljotov Salaj, A., Aver, B. (2012). Urban growth in ageing societies. V: Delivering value to the community: proceedings / Michell, K., Bowen, P., Cattell, K. (ur.). Cape Town: Department of Construction Economics and Management, str. 437–446.

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