

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Gospodarska infrastruktura: prostor, komunala, energetika, promet, komunikacije
Course title:	Infrastructure: spatial infrastructure, public infrastructure, energy infrastructure, transport infrastructure, communication infrastructure

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Slovenski študiji I; 1. stopnja		3	5
Slovenian studies I; 1st degree		3	5

Vrsta predmeta / Course type Obvezni/ Obligatory

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija študija	Samost. delo Individ. work	ECTS
30	-	30	-	-	65	5

Nosilec predmeta / Lecturer: prof. Alenka Temeljotov Salaj; soizvajalec: doc. dr. Stanislav Raščan

Jeziki / Languages: Slovenščina/ Slovene	Predavanja / Lectures:	slovenščina/Slovene angleščina/English
	Vaje / Tutorial:	slovenščina/Slovene angleščina/English

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

--	--

<p>Vsebina:</p> <p>Splošna seznanitev s pojmom gospodarske infrastrukture. Razumevanje razvoja, projektiranja, gradnje infrastrukture ter vodenja projektov. Struktura gospodarske infrastrukture:</p> <ul style="list-style-type: none"> - Okolje in prostorska infrastruktura - Gospodarska javna infrastruktura - Energetska infrastruktura - Prometna infrastruktura - Komunikacijska infrastruktura <p>Mednarodne infrastrukturne povezave. Varnost infrastrukture. Kritična infrastruktura.</p>	<p>Content (Syllabus outline):</p> <p>General understanding of infrastructure. Understanding of its development, project designing, constructing and project management. Structure of economic infrastructure:</p> <ul style="list-style-type: none"> - Environment and spatial infrastructure - Public infrastructure - Energy infrastructure - Transport infrastructure - Communication infrastructure <p>International infrastructure connections. Infrastructure safety. Critical infrastructure.</p>
---	---

Temeljni literatura in viri / Readings:

-Alenka Temeljotov Salaj, Dušan Zupančič, Odnos do nepremičnin in organizacijskega okolja, Slovenski Inštitut za revizijo, 2006
- Alenka Temeljotov Salaj, Dušan Zupančič, Ines Vodopivec (urednik). Attitude towards real estate and organizational environment. 1st ed. Ljubljana: Nova univerza, European Faculty of Law, 2017. 166 str.
- Stanislav Raščan, Sprememba varnostne politike ZDA po 11. Septembru 2001. Fakulteta za družbene vede, (2005)
-Zakonodaja RS, IUS -INFO
- Izvirni strokovni in znanstveni članki v slovenskem in angleškem jeziku.

Priporočena:

- Bojan Rosi, Sternad Marjan. *Teorija sistemov*. Celje: Fakulteta za logistiko, 2010
- Khader, M., Barnes W. E., *Telecommunication Systems and Technology*, Prentice Hall, New Jersey, 2000.
Lipičnik, Pepevnik: *Prometni sistemi*, Fakulteta za gradbeništvo v Mariboru, 1996
-Drozg, Vladimir; *Komunalna in energetska infrastruktura*, SLV knjiga; 1996; Maribor

Cilji in kompetence:

- poznavanje projektnega pristopa za doseganje ciljev;
- sposobnost razumevanja procesov priprave, orodij in metod za uspešno izvedbo projekta;
- sposobnost analiziranja, sintetiziranja pridobljenih znanj, predvidevanja rešitev in njihovih posledic;
- sposobnost fleksibilnega prenosa znanj v prakso;
- sposobnost doseganja strateških in operativnih ciljev;
- komuniciranje s strokovnjaki z različnimi interesnimi skupinami

Objectives and competences:

- knowledge of project approach for achieving the goals
- capability of understanding tools and methods for the successful performance
- capability of analysing, synthesizing, predicting the solutions and their consequences,
- capability of knowledge transfer into practise
- capability of achieving strategic and operational results
- communication with different stakeholders groups

Predvideni študijski rezultati:

Znanje in razumevanje:

- kategorij infrastrukture
- pomena infrastrukture za izvajanje storitev
- značilnosti infrastrukture po posameznih panogah
- varnosti infrastrukturnih objektov
- pomen kritične infrastrukture

Intended learning outcomes:

Knowledge and understanding:

- categories of infrastructures
- meaning of the infrastructure for service performance
- characteristics of infrastructure according to specific branches
- safety of infrastructure objects
- the meaning of critical infrastructure

Metode poučevanja in učenja:

Oblike dela:

- Frontalna oblika poučevanja
- Delo v manjših skupinah oz. v dvojicah
- Samostojno delo študentov
- e-učenje
- drugo (vpišite) _____

Metode (načini) dela:

- Razlaga
- Razgovor/ diskusija/debata
- Delo z besedilom
- Proučevanje primera
- Igra vlog
- Druge vrste nastopov študentov
- Reševanje nalog
- Študijski obiski podjetij ipd.)
- Vključevanje gostov iz prakse
- Udeležba na okrogli mizi, na konferenci

Learning and teaching methods:

Types of learning/teaching:

- Frontal** teaching
- Work in smaller groups or pair work
- Independent students work
- e-learning
- other _____

Teaching methods:

- Explanation
- Conversation/discussion/debate
- Work with texts
- Case studies
- Role-play
- Different presentation
- Solving exercises
- Field work (e.g. company visits)
- Inviting guests from companies
- Attending round table and conference

Delež (v %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

Ocenjuje se pisni izpit in seminarsko delo Ocenjevalna lestvica – skladno s Pravilnikom o preverjanju in ocenjevanju znanja.	Pisni izpit – 50% Seminarsko delo 50%	Type (examination, oral, coursework, project): Assessment of written examination and seminar work
---	--	--

Reference nosilca / Lecturer's references:

Alenka Temeljotov-Salaj je zaposlena na Inštitutu za nepremičninske vede v Ljubljani ter je profesorica na Norveški univerzi za znanost in tehnologijo (NTNU). Doktorirala je iz psihologije in magistrirala na gradbeništvu, na smeri Obnovljivi viri energije. Njeno znanje in veščine s področja psihologije in gradbeništvu so obogatile njene raziskovalne izkušnje. Vzpostavila je zelo močno mednarodno sodelovanje z občinami, končnimi uporabniki in gradbenim sektorjem, poleg tega sodeluje z raziskovalci iz različnih strok. Pri njenih raziskavah so poudarjeni vrednostni vidiki bivalnega okolja, rešitve za soustvarjanje in upravljanje mestnih objektov ter trajnostne rešitve, zdravje in dobro počutje.

Sodeluje pri več raziskovalnih projektih, tako na nacionalni kot mednarodni ravni. So-organizira poletne šole in mednarodne konference, razvila je vrsto študentskih delavnic, skupaj z drugimi raziskovalci in podjetji. Je članica komisije CEN za nov standard trajnostne prenove in aktivna članica EuroFM. Poleg tega je gostujoča urednica mednarodne revije Facilities, Emerald. Objavila je več kot 140 prispevkov na mednarodnih konferencah in v znanstvenih revijah, tri knjige in 10 knjižnih poglavij.

Pri izvedbi predmeta bo sodeloval doc. **dr. Stanislav Raščan**, ki je zaposlen na Ministrstvu za zunanje zadeve v Ljubljani in poučuje kot docent za mednarodno varnostno politiko na Fakulteti za državne in Evropske študije v Kranju. Svoje praktične izkušnje v diplomaciji je nadgradil z raziskovalnim delom na Fakulteti za družbene vede, kjer je magistriral in doktoriral politologijo ter bil imenovan za asistenta za mednarodno primerjalno politologijo. Je avtor dveh strokovnih knjig in več poglavij v strokovnih knjigah. Napisal je več kot 160 znanstvenih in poljudnih člankov in je bil mentor več študentom pri njihovih diplomskih in magistrskih nalogah.

Alenka Temeljotov Salaj is a Professor at NTNU IBM, with a PhD in Psychology and MSc in Construction Engineering, Renewable energy. Her knowledge and skills from both psychology and construction fields enriched her research experiences to establish very strong international collaboration with cities and industry. She has worked closely with municipalities, end users and the construction sector. In addition, she has interacted with researchers from different disciplines with the focus on buildings and settlements through value orientation, co-creation solutions and Urban Facility Management, emphasizing sustainable solutions, health and well-being. She participates and has participated in several research projects, both nationally and internationally, organized Summer Schools and annual International Conferences, and developed a series of workshops with students, researchers and companies. She is a member of CEN commission for a new Sustainable Refurbishment standard and is an active member of EuroFM. In addition, she is a guest editor of the international journal Facilities, Emerald. She has published more than 140 papers in international conferences and journals, two books and 10 book chapters. She has supervised PhD students, post-doctoral students, and acted as an opponent for national and international defenses.

To lecture the course will be also **ass. Prof. dr. Stanislav Raščan**, who is employed at the Ministry of Foreign Affairs in Ljubljana and teaches as an assistant professor of international security policy at the Faculty of State and European Studies in Kranj. He upgraded his practical experience in diplomacy with research work at the Faculty of Social Sciences, where he received his master's and doctoral degrees in political science and was appointed assistant to professor of international comparative political science. He is the author of two professional books and several chapters in professional books. He has written more than 160 scientific and popular articles and has mentored several students in their graduate and master's theses.