

	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet	Sonaravno upravljanje z naravnimi viri
Course title	Sustainable Management of Natural Resources

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Poslovna ekonomija in upravljanje	Upravljanje z okoljem	2.	3.
Business Economics and Management	Environmental Management	2 nd	3 rd

Vrsta predmeta/Course type izbirni / elective

Univerzitetna koda predmeta/University course code 3_PEU_IP_UN5_UO

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
15	10				425	15

Nosilec predmeta/Lecturer: prof. dr. Peter Novak

Jeziki/ 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 raziskovalno nalogo. 	<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 research paper before the exam.
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Vsebina:

Content (Syllabus outline):

<ul style="list-style-type: none"> • <i>Uvod</i> (kaj je sonaravno upravljanje, osnovni principi). • <i>Prilagodljivo upravljanje</i> (prilagodljivo upravljanje s primernim planiranjem, spremljanjem in, kjer je potrebno sprememba aktivnosti). • <i>Velikost</i> (upoštevanje primerne prostorske velikosti za aktivnosti). • <i>Sodelovanje in vključevanje</i> (promoviranje vključevanja pasivnega in aktivnega sodelovanja). 	<ul style="list-style-type: none"> • <i>Introduction</i> (what is sustainable management, basic principles). • <i>Adaptive management</i> (adaptive management by appropriate planning, monitoring and where appropriate change of action). • <i>Scale</i> (considering the appropriate scale for action). • <i>Collaboration and engagement</i> (promotion of collaboration and cooperation).
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<ul style="list-style-type: none"> • <i>Sodelovanje javnosti</i> (priprava ustreznih postopkov za javno sodelovanje in so-odločanje) • <i>Spremljanje</i> (vspostavitve vseh potrebnih evidenc za spremljanje stanja in negotovosti). • <i>Večkratna korist</i> (upoštevanje koristi in bistvene vrednosti naravnih virov in ekoloških sistemov). • <i>Dolgoročnost</i> (upoštevanje kratkoročne, srednjeročne in dolgoročne posledice aktivnosti). • <i>Preventivne aktivnosti</i> (podvzetje aktivnosti za preprečevanje znatnih ekoloških in okoljskih škod). • <i>Gradnja odpornosti</i> (upoštevanje odpornosti ekosistemov, posebno iz naslednjih vidikov: <ul style="list-style-type: none"> ○ Raznolikost med in v ekosistemih. ○ Povezanost med in v ekosistemih. ○ Velikost ekosistema. ○ Pogoji ekosistema, vključno s strukturo in delovanjem. ○ Prilagodljivost ekosistema). • <i>Osnovni principi upravljanja različnih naravnih virov</i> (upravljanje in varovanje gozdnih ekosistemov, upravljanje varovanih področij, upravljanje krajine, obnovljivi viri energije, upravljanje s podnebjem, zrakom, vodo, plodno zemljo, ravnanje z materiali in odpadki, sonaravne verige v poljedelstvu). 	<ul style="list-style-type: none"> • <i>Public Participation</i> (preparation of appropriate arrangement for public participation and decision-making). • <i>Evidence</i> (taking in account of all relevant evidence and gather evidence in respect of uncertainties). • <i>Multiple benefits</i> (taking in account the benefits and intrinsic value of natural resources and ecosystems). • <i>Long term</i> (taking in account of the short, medium and long term consequences of actions). • <i>Preventive actions</i> (taking actions to prevent significant damage to ecosystems and environment). • <i>Building resilience</i> (taking in account of the resilience of ecosystems, in particular the following aspects: <ul style="list-style-type: none"> ○ Diversity between and within ecosystems. ○ The connection between and within ecosystems. ○ The scale of ecosystem. ○ The conditions of ecosystem, including their structure and functioning. ○ The adaptability of ecosystems. • <i>Basic principles of management of different natural resources</i> (management and protection of forest ecosystems, protected area management, landscape management, renewable energy resources, climate, air and water and soil management, material and waste management, sustainable agricultural value chains).
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Temeljna literatura in viri/Readings:

- Kirn, A. (2004). Narava, družba, ekološka zavest. Ljubljana: Fakulteta za družbene vede.
- Basharat, M., Suhaib A. B., Sana S. (2020). Environmental Management. Springer Verlag, 1st ed., XVII.

Priporočljiva literatura/Recommended literature

- I.V Murali Krishna Valli Manickam (2017). Environmental Management, eBook ISBN: 9780128119907, Butterworth-Heinemann..
- Towards a Thematic Strategy on the Sustainable Use of Natural Resources, COM/2003/0572 final.
- Towards a thematic strategy on the sustainable use of natural resources Working Group 1 – “Supply of Resources” Final Report October 20th , 2004.

- Towards a thematic strategy on the sustainable use of natural resources Pathways through Society Working Group 2 – Use of Resources Final Report Version of 15 October 2004.

Cilji in kompetence:

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

- celovito kritično mišljenje, sposobnost analize, sinteze in predvidevanje rešitev s področja okoljskih, naravoslovnih, ekoloških, pravnih, inovacijskih, ekonomskih in poslovnih ved ter njihovo interdisciplinarno povezovanje in uporabo,
- poznavanje in uporabo raziskovalne metodologije (metod, postopkov, procesov in tehnologije),
- sposobnost kreativne uporabe znanja v poslovnem okolju,
- poznavanje in razumevanje procesov v poslovnem okolju ter usposobljenost za njihovo analizo, sintezo in predvidevanje rešitev oz. posledic,
- avtonomnost in odgovornost pri odločanju,
- usposobljenost za predstavljanje pridobljenega znanja in raziskovalnih dognanj na domačih in tujih znanstvenih konferencah ter znanstvenih revijah in v mednarodnem raziskovalnem okolju,
- ozaveščenost o nujnosti lastnega izpopolnjevanja, dopolnjevanja, poglobljanja in posodabljanja znanja,
- zavezanost profesionalni etiki,
- temeljito poznavanje in razumevanje področja okoljskega in družbenega vidika trajnostnega razvoja in varstva okolja,
- poglobljeno znanje upravljanja z naravnimi energijskimi viri, sanacije okoljske škode, zdravja ljudi, epidemiologije, modeliranja odločitvenih procesov, kriznega menedžmenta in učeče se organizacije.

Objectives and competences:

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

- comprehensive critical thinking, ability to analyze, synthesize and anticipate solutions in the field of environmental, natural, ecological, legal, innovative, economic and business sciences and their interdisciplinary integration and application,
- knowledge and application of research methodology (methods, procedures, processes and technology),
- ability to creatively use knowledge in a business environment,
- knowledge and understanding of processes in the business environment and ability for their analysis, synthesis and prediction of solutions or consequences,
- autonomy and responsibility in decision-making,
- ability to present the acquired knowledge and research findings at domestic and foreign scientific conferences and scientific journals and in the international research environment,
- awareness of the need for self-improvement, supplementation, deepening and updating of knowledge,
- commitment to professional ethics,
- thorough knowledge and understanding of the field of environmental and social aspects of sustainable development and environmental protection,
- in-depth knowledge of natural energy management, remediation of environmental damage, human health, epidemiology, decision-making modeling, crisis management and learning organization.

Predvideni študijski rezultati:

<p><i>Študent/študentka:</i></p> <ul style="list-style-type: none"> • pozna osnove sonaravnega upravljanja z naravnimi viri, • razume pomen sonaravnega upravljanja za nadaljni razvoj družbe, • razvije sposobnost za pravilno upravljanje v okolju, • se usposobi za samostojno kritično presojo in analizo stanja v okolju in ima sposobnost predvidevanja možnih posledic. 	<p>Intended learning outcomes:</p> <p><i>Students:</i></p> <ul style="list-style-type: none"> • know the importance of sustainable management with natural resources, • recognise the importance for sustainable management for future development of society • develop skills for self-standing critical judgment and state of environment analysis and possess the ability to foreseeing possible consequences.
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Metode poučevanja in učenja:

<ul style="list-style-type: none"> • predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov), • projektni seminar, • individualne in skupinske konzultacije (diskusija, dodatna razlaga, obravnava specifičnih vprašanj), • usmerjanje, samoopazovanje, samouravnavanje, refleksija, samocenjevanje. 	<p>Learning and teaching methods:</p> <ul style="list-style-type: none"> • lectures with active student participation (explanation, discussion, questions, examples, problem solving, field trip), • project work seminar, • individual and group consultations (discussion, further explanation, addressing specific issues), • directing, self-observation, self-regulation, reflection, self-assessment.
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Načini ocenjevanja:

Delež (v %)

Weight (in %)

Assessment:

<p>Načini:</p> <ul style="list-style-type: none"> • temeljna ali aplikativna raziskovalna naloga z zagovorom (obseg 30.000 znakov). <p>Ocenjevalna lestvica: uspešno, neuspešno.</p>	<p>100 %</p>	<p>Types:</p> <ul style="list-style-type: none"> • fundamental or applicative research paper with defence (30,000 characters). <p>Grading scheme: successful, unsuccessful.</p>
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