

21. 01. 2025

UČNI NAČRT UČNE ENOTE / COURSE SYLLABUS

Učna enota: Course title:	PRILAGAJANJE NA PODNEBNE SPREMEMBE IN ODPORNOST ADAPTATION TO CLIMATE CHANGE AND RESILIENCE
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Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Upravljanje podeželja, 1. stopnja Landscape management, 1 st level	-	2.	4.
	-	2.	4.

Vrsta učne enote / Course type:

Univerzitetna koda učne enote / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
30	-	30	-	-	90	5

Nosilec učne enote / Lecturer:

Jeziki / Languages:
Predavanja / Lectures:
Vaje / Tutorial:

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

Vsebina:	Content (Syllabus outline):
<p>Politike in ukrepi za podnebno odpornost. Krepitev zmogljivosti za obvladovanje prilagajanja kmetijstva in gozdarstva. Izobraževanje, ozaveščanje in svetovanje. Vzdrževanje in pridobivanje novega znanja na področju podnebnih sprememb in prilagajanja nanje. Spremembe obstoječih predpisov. Krepitev mednarodnega sodelovanja in partnerstva pri prilagajanju kmetijstva in gozdarstva podnebnim spremembam, zlasti v okviru EU.</p>	<p>Policies and actions for climate resilience. Capacity building for adaptation management of agriculture and forestry. Education, awareness and advice. Maintaining and acquiring new knowledge in the field of climate change and adaptation to it. Changes to existing regulations. Strengthening international cooperation and partnership in adapting agriculture and forestry to climate change, especially within the EU.</p>

Temeljni literatura in viri / Readings:
Obvezna literatura / Required reading(s):
Strategija prilagajanja slovenskega kmetijstva in gozdarstva podnebnim spremembam:
<https://www.gov.si teme/prilagajanje-podnebnim-spremembam-v-kmetijstvu/>

Cilji in kompetence:	Objectives and competences:
<p>Učna enota je zasnovana tako, da bi študentje dobili temeljna znanja za razumevanje prilagajanja na podnebne spremembe. Ta znanja so potrebna, da lahko načrtujemo procese v kmetijstvu v soočanju s vsakodnevnimi podnebnimi spremembami.</p>	<p>The course is designed to give students the fundamental knowledge to understand adaptation to climate change. These skills are necessary for the students to be able to plan agricultural processes in the face of daily climate changes.</p>

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Predvideni študijski rezultati:

Znanje in razumevanje:

Študent je ob koncu študija pridobi dodatna znanja s področja prilagajanja na podnebne spremembe.

Razumevanje in uporaba obravnavane tematike z zmožnostjo analize problemov in sistemskega razmišljanja.

Intended learning outcomes:

Knowledge and Understanding:

After the end of their studies, students acquire additional knowledge in the field of adapting to climate changes.

Understanding and use of the discussed subject with ability of problem analysis and profound systematic consideration.

Metode poučevanja in učenja:

Klasična avditorna predavanja.

Predstavitve, obravnava praktičnih primerov, predstavitve samostojnih analiz študentov, aktivno skupinsko delo.
Seminarske vaje.

E-izobraževanje (e-predavanja in e-vaje se lahko izvajajo v virtualnem elektronskem učnem okolju ali s pomočjo posebej v ta namen didaktično pripravljenih e-gradiv v virtualnem elektronskem učnem okolju).

Learning and teaching methods:

Classic auditotial (classroom) lectures.

Presentations, discussion of practical cases, presentations of students' independent analyses, active group work.
Seminar exercises.

E-learning (e-lectures and e-exercises can be conducted in a virtual electronic learning environment or with the help of e-materials specially prepared for this purpose in a virtual electronic learning environment).

Načini ocenjevanja:

Opravljene obveznosti predavanj in vaj so pogoj za pristop k izpitu.

Pisni izpit.

Seminarska naloga.

Delež (v %) /

Weight (in %)

Assessment:

Successful completion of lectures and tutorials is a prerequisite for entering the exam.

Written examination.

Seminar paper.

Reference nosilca / Lecturer's references:

DIMNIK, Jože, TOPIČ, Jelena, ČIKIČ, Ante, MUHIČ, Simon. Impacts of High PV Penetration on Slovenia's Electricity Grid : Energy Modeling and Life Cycle Assessment. *Energies*. Jun. 2024, vol. , 17 str., ilustr. ISSN 1996-1073. <https://www.mdpi.com/1996-1073/17/13/3170>, DOI: 10.3390/en17133170. [COBISS.SI-ID 200517379], [JCR, SNIP]

TOPIČ, Jelena, FRIC, Urška, ČIKIČ, Ante, MUHIČ, Simon. Life cycle assessment of using firewood and wood pellets in Slovenia as two primary wood-based heating systems and their environmental impact. *Sustainability*. 2024, vol. 16, iss. 4, str. 1-14, ilustr. ISSN 2071-1050. DOI: 10.3390/su16041687. [COBISS.SI-ID 186626819], [JCR, SNIP, WoS do 25. 5. 2024: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.25, Scopus do 4. 6. 2024: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.25]

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CHOUKI, Takwa, MACHREKI, Manel, TOPIČ, Jelena, BUTINAR, Lorena, STEFANOV, Plamen, JEŽ, Erika, SUMMERS, Jack S., VALANT, Matjaž, FAIT, Aaron, EMIN, Saim. Iron phosphide precatalyst for electrocatalytic degradation of rhodamine B dye and removal of Escherichia coli from simulated wastewater. *Catalysts*. [Online ed.]. Feb. 2022, vol. 12, iss. 3, str. 1-17, ilustr. ISSN 2073-4344. <https://www.mdpi.com/2073-4344/12/3/269/htm>, Repozitorij Univerze v Novi Gorici - RUNG, DOI: 10.3390/catal12030269. [COBISS.SI-ID 117185539], [JCR, SNIP, WoS do 17. 11. 2023: št. citatov (TC): 7, čistih citatov (CI): 6, čistih citatov na avtorja (CIAu): 0.60, Scopus do 13. 10. 2023: št. citatov (TC): 7, čistih citatov (CI): 6, čistih citatov na avtorja (CIAu): 0.60]

TOPIČ, Jelena, BUTINAR, Lorena, ANTALICK, Guillaume, STERNAD LEMUT, Melita, MARTELANC, Mitja, ALBREHT, Alen, KORTE, Dorota, MOZETIČ VODOPIVEC, Branka. The influence of selected indigenous yeasts on Pinot Noir wine colour properties. *Journal of the science of food and agriculture*. [Print ed.]. 2022,

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vol. 102, iss. 2, str. 664-672, ilustr. ISSN 0022-5142. Repozitorij Univerze v Novi Gorici - RUNG, DOI: 10.1002/jsfa.11395. [COBISS.SI-ID 69601795], [JCR, SNIP, WoS do 4. 2. 2024: št. citatov (TC): 2, čistih citatov (CI): 2, čistih citatov na avtorja (CIAu): 0.25, Scopus do 28. 6. 2024: št. citatov (TC): 3, čistih citatov (CI): 3, čistih citatov na avtorja (CIAu): 0.38]

TOPIĆ, Jelena, BUTINAR, Lorena, BERGANT MARUŠIČ, Martina, KORTE, Dorota, MOZETIČ VODOPIVEC, Branka. Determination of biogenic amines formation by autochthonous lactic acid bacteria from 'Refošk' grapes using different analytical methods. *LWT - Food science and technology*. 2022, vol. 156, str. 1-12, ilustr. ISSN 1096-1127. <https://doi.org/10.1016/j.lwt.2021.112908>, Repozitorij Univerze v Novi Gorici - RUNG, DOI: 10.1016/j.lwt.2021.112908. [COBISS.SI-ID 91673091], [JCR, SNIP, WoS do 4. 4. 2024: št. citatov (TC): 6, čistih citatov (CI): 5, čistih citatov na avtorja (CIAu): 1.00, Scopus do 1. 7. 2024: št. citatov (TC): 7, čistih citatov (CI): 6, čistih citatov na avtorja (CIAu): 1.20]

TOPIĆ, Jelena, ČURKO, Natka, KOVAČEVIĆ GANIĆ, Karin, BUTINAR, Lorena, ALBREHT, Alen, VOVK, Irena, KORTE, Dorota, MOZETIČ VODOPIVEC, Branka. Synthesis of pyranoanthocyanins from Pinot Noir grape skin extract using fermentation with high pyranoanthocyanin producing yeasts and model wine storage as potential approaches in the production of stable natural food colorants. *European Food Research and Technology, Zeitschrift für Lebensmittel-Untersuchung und -Forschung. A*. [Print ed.]. 2020, vol. 246, iss. 6, str. 1141-1152, ilustr. ISSN 1438-2377. Repozitorij Univerze v Novi Gorici - RUNG, DOI: 10.1007/s00217-020-03467-2. [COBISS.SI-ID 5598715], [JCR, SNIP, WoS do 8. 8. 2023: št. citatov (TC): 6, čistih citatov (CI): 4, čistih citatov na avtorja (CIAu): 0.50, Scopus do 21. 7. 2023: št. citatov (TC): 8, čistih citatov (CI): 6, čistih citatov na avtorja (CIAu): 0.75]

TOPIĆ, Jelena, BUTINAR, Lorena, ALBREHT, Alen, VOVK, Irena, KORTE, Dorota, MOZETIČ VODOPIVEC, Branka. The impact of *Saccharomyces* and non-*Saccharomyces* yeasts on wine colour : a laboratory study of vinylphenolic pyranoanthocyanin formation and anthocyanin cell wall adsorption. *Lebensmittel-Wissenschaft + Technologie*. 2020, vol. 123, [article no.] 109072, str. 1-9, ilustr. ISSN 0023-6438. Repozitorij Univerze v Novi Gorici - RUNG, DOI: 10.1016/j.lwt.2020.109072. [COBISS.SI-ID 5559803], [JCR, SNIP, WoS do 17. 6. 2024: št. citatov (TC): 20, čistih citatov (CI): 17, čistih citatov na avtorja (CIAu): 2.83, Scopus do 31. 5. 2024: št. citatov (TC): 26, čistih citatov (CI): 23, čistih citatov na avtorja (CIAu): 3.83]

TOPIĆ, Jelena, BUTINAR, Lorena, ČURKO, Natka, KOVAČEVIĆ GANIĆ, Karin, MOZETIČ VODOPIVEC, Branka, KORTE, Dorota, FRANKO, Mladen. Implementation of high performance liquid chromatography coupled to thermal lens spectrometry (HPLC-TLS) for quantification of pyranoanthocyanins during fermentation of Pinot Noir grapes. *SN applied sciences*. 2020, vol. 2, iss. 7, str. 1-15, ilustr. ISSN 2523-3963. Repozitorij Univerze v Novi Gorici - RUNG, DOI: 10.1007/s42452-020-3005-8. [COBISS.SI-ID 20043011], [SNIP, WoS, Scopus do 21. 3. 2024: št. citatov (TC): 2, čistih citatov (CI): 2, čistih citatov na avtorja (CIAu): 0.29]