

## GUIDELINES FOR PREREQUISITE EXAM/NAVODILA ZA DIFERENCIALNI IZPIT

### Sustainable Development, Ecosystem Management and Nature-Based Solutions / Trajnostni razvoj, upravljanje ekosistemov in rešitve, ki temeljijo na naravi

PROFESSORS/NOSILCI:

Dr. Jihene Nouairi

CONTACT/KONTAKT

[jihene.nouairi@emuni.si](mailto:jihene.nouairi@emuni.si)

#### Vsebina:

- Preučevanje ključnih okoljskih izzivov, vključno s podnebnimi spremembami, izgubo biotske raznovrstnosti, onesnaževanjem in izčrpavanjem naravnih virov, ter njihovih posledic za trajnostni razvoj.
- Razumevanje načel trajnostnega razvoja in medsebojnih povezav med okoljsko, družbeno in gospodarsko trajnostjo.
- Preučevanje glavnih okoljskih izzivov, vključno s podnebnimi spremembami, izgubo biotske raznovrstnosti, onesnaževanjem in izčrpavanjem virov.
- Raziskovanje ciljev trajnostnega razvoja (SDG) ter njihove pomembnosti za okoljsko upravljanje in trajnost.
- Razumevanje strukture in funkcij ekosistemov ter ekosistemskih storitev in njihovega pomena za blaginjo ljudi.
- Analiza vzrokov in posledic degradacije ekosistemov ter okoljskih pritiskov, ki izhajajo iz človekovih dejavnosti.

#### Content:

- Examining key environmental challenges, including climate change, biodiversity loss, pollution, and natural resource depletion, and their implications for sustainable development.
- Understanding the principles of sustainable development and the interconnections between environmental, social, and economic sustainability.
- Examining major environmental challenges, including climate change, biodiversity loss, pollution, and resource depletion.
- Exploring the Sustainable Development Goals (SDGs) and their relevance to environmental management and sustainability.
- Understanding ecosystem structure, functions, and ecosystem services, and their importance for human well-being.
- Analyzing the causes and consequences of ecosystem degradation and environmental pressures resulting from human activities.
- Studying the principles of environmental protection, conservation, and sustainable natural resource management.

- Proučevanje načel varstva okolja, ohranjanja narave in trajnostnega upravljanja z naravnimi viri.
- Raziskovanje pristopov in strategij upravljanja z ekosistemi za ohranjanje in krepitev odpornosti ekosistemov.
- Razumevanje tehnik ekološke obnove in ekorehabilitacije, ki se uporabljajo za sanacijo degradiranih kopenskih, sladkovodnih, obalnih in morskih ekosistemov.
- Preučevanje rešitev, temelječih na naravi, ter njihove vloge pri prilagajanju na podnebne spremembe, varstvu okolja in trajnostnem razvoju.
- Ocenjevanje metod za spremljanje kakovosti okolja in ocenjevanje zdravja ekosistemov.
- Ocenjevanje vloge strokovnjakov za okolje, oblikovalcev politik in zainteresiranih strani pri reševanju sodobnih izzivov na področju okolja in trajnosti.

- Exploring ecosystem management approaches and strategies for maintaining and enhancing ecosystem resilience.
- Understanding ecological restoration and ecoremediation techniques used to rehabilitate degraded terrestrial, freshwater, coastal, and marine ecosystems.
- Examining nature-based solutions and their role in climate adaptation, environmental protection, and sustainable development.
- Assessing methods for monitoring environmental quality and evaluating ecosystem health.
- Evaluating the role of environmental professionals, policy-makers, and stakeholders in addressing contemporary environmental and sustainability challenges.

### Temeljna literatura in viri / Readings:

#### Obvezna/Required

- United Nations Environment Programme. (2024). *Global Environment Outlook 7: Healthy Planet, Healthy People*. Nairobi, Kenya: UNEP.  
(Open access)  
<https://www.unep.org/resources/global-environment-outlook-7>
- Intergovernmental Panel on Climate Change (IPCC). (2023). *Synthesis Report of the Sixth Assessment Report (AR6)*. Geneva, Switzerland: IPCC.  
(Open access)  
<https://www.ipcc.ch/report/ar6/syr/>
- Cohen-Shacham, E., Walters, G., Janzen, C., & Maginnis, S. (Eds.). (2021). *Nature-Based Solutions to Address Global Societal Challenges*. Gland, Switzerland: IUCN.  
<https://portals.iucn.org/library/node/49070>
- United Nations. (2024). *The Sustainable Development Goals Report 2024*. New York, NY: United Nations.  
(Open access)  
<https://unstats.un.org/sdgs/report/2024/>

- European Environment Agency. (2023). *The European Environment — State and Outlook 2023: Sustainability Transitions for a Resilient Europe*. Copenhagen, Denmark: EEA.
- **(Open access)**  
<https://www.eea.europa.eu/soer>

**Načini ocenjevanja:** Ustni izpit

**Assessment:** Oral exam

Date/datum: 17.6.2026

Signature/podpis: Dr. Jihene Nouairi