

## UČNI NAČRT PREDMETA / COURSE SYLLABUS

<b>Predmet:</b>	Seminar I
<b>Course title:</b>	Seminar I

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Ekotehnologije, 2. stopnja	/	1	2
Ecotechnologies, 2 <sup>nd</sup> cycle	/	1	2

**Vrsta predmeta / Course type** Obvezni / Mandatory

**Univerzitetna koda predmeta / University course code:** EKO2-772

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
	30			30	240	10

*\*Navedena porazdelitev ur velja, če je vpisanih vsaj 15 študentov. Drugače se obseg izvedbe kontaktnih ur sorazmerno zmanjša in prenese v samostojno delo. / This distribution of hours is valid if at least 15 students are enrolled. Otherwise the contact hours are linearly reduced and transferred to individual work.*

**Nosilec predmeta / Lecturer:** Prof. dr. Milena Horvat

**Jeziki / Predavanja / Lectures:** Slovenski ali angleški / Slovene or English  
**Languages: Vaje / Tutorial:**

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

Zaključen študij prve stopnje.

**Prerequisites:**

Completed first cycle studies.

**Vsebina:**

Študenti bodo razvili sposobnosti spremljanja ter prepoznavanja aktualnih strokovno raziskovalnih problemov, sodobnih metod raziskovanja, najnovejših rezultatov in uporabe najnovejšega znanja na področju ekotehnologij. Študenti se bodo soočili tudi z izzivi izdelave pisnega pregleda obravnavanih vsebin ter s posredovanjem ugotovitev v obliki ustne predstavitve seminarja.

**Content (Syllabus outline):**

Students will develop the ability to follow and identify current professional research problems, modern methods of research, the latest results and the use of the state-of-the-art knowledge in the field of ecotechnologies. Students will also face with the challenges of writing a written review of the selected topics and by sharing of their findings through oral seminar presentation.

**Temeljni literatura in viri / Readings:**

Strokovna in znanstvena literatura s področja seminarja. / Professional and scientific literature from the field of the seminar.

**Cilji in kompetence:**

Cilj predmeta je spoznavanje aktualnih strokovnih problemov, sodobnih metodoloških pristopov k njihovi razrešitvi in najnovejših dosežkov na področju ekotehnologij. Pomemben cilj je tudi

**Objectives and competences:**

The aim of the course is to learn about current professional problems, modern methodological approaches to their solutions and the latest achievements in the field of ecotechnologies. An

sposobnost pisnega celostnega povzemanja obravnavanih vsebin in posredovanje ugotovitev v obliki ustne komunikacije.

important goal is also the ability to write comprehensive review of the selected study subject and to share their findings in the form of oral communication.

**Predvideni študijski rezultati:**

Priprava pisnega poročila, njegova predstavitev ter suverena ustna komunikacija o obravnavanih vsebinah.

Študenti bodo izpopolnili sposobnosti spremljanja ter poznavanja sodobnih raziskav in dosežkov na področju ekotehnologij, kritične ocene pomembnosti objav v znanstveni literaturi, pisnega povzemanja obravnavane vsebine ter njene suverene predstavitve in ustnega komuniciranja.

**Intended learning outcomes:**

Preparation of written reports and oral presentations based on their own research work.

Students are expected to gain a general understanding of the research activities in ecotechnologies. They will get skills to evaluate published works in scientific literature, to write professional and scientific papers and to make a public presentation of their review seminar work.

**Metode poučevanja in učenja:**

Seminar, konzultacije, druge metode

**Learning and teaching methods:**

Seminar, consultations, other methods

**Načini ocenjevanja:**

Pisna seminarska naloga  
Ustna predstavitev z zagovorom  
seminarske naloge

Delež (v %) /

Weight (in %)

**Assessment:**

Written seminar work  
Oral presentation with the defense of the seminar work

**Reference nosilca / Lecturer's references:**

KOTNIK, Jože, HORVAT, Milena, BEGU, Ermira, SHLYAPNIKOV, Yaroslav, SPROVIERI, Francesca, PIRRONE, Nicola. Dissolved gaseous mercury (DGM) in the Mediterranean Sea : spatial and temporal trends. *Marine Chemistry*, 2017, 193, 8-19.

BRATKIČ, Arne, VAHČIČ, Mitja, KOTNIK, Jože, OBU, Kristina, BEGU, Ermira, WOODWARD, E. Malcolm S., HORVAT, Milena. Mercury presence and speciation in the South Atlantic Ocean along the 40°S transect. *Global biogeochemical cycles*, 2016, 30, 2, 105-119.

RUBINO, Angelo, OGRINC, Nives, FAJON, Vesna, HORVAT, Milena, et al. Biogeochemical, isotopic and bacterial distributions trace oceanic abyssal circulation. *PloS one*, 2016, 11, 1, 0145299-1-0145299-12.

ČESEN, Marjeta, LENARČIČ, Kaja, MISLEJ, Vesna, LEVSTEK, Meta, KOVAČIČ, Ana, CIMRMANČIČ, Bernardka, URANJEK ŽEVART, Nataša, KOSJEK, Tina, HEATH, David John, SOLLNER DOLENC, Marija, HEATH, Ester. The occurrence and source identification of bisphenol compounds in wastewaters. *Science of the total environment*, 2018, 616-617, 744-752.

KOSJEK, Tina, NEGREIRA, Noelia, HEATH, Ester, LOPEZ DE ALDA, Miren, BARCELÓ, Damià. Aerobic activated sludge transformation of vincristine and identification of the transformation products. *Science of the total environment*, ISSN 0048-9697, 2017, vol. 610/611, str. 892-904.