

	<b>UČNI NAČRT PREDMETA/COURSE SYLLABUS</b>
<b>Predmet</b>	<b>Finančni vidiki upravljanja okolja</b>
<b>Course title</b>	<b>Financial Aspects of Environmental Management</b>

<b>Študijski program in stopnja</b> <b>Study programme and level</b>	<b>Študijska smer</b> <b>Study field</b>	<b>Letnik</b> <b>Academic year</b>	<b>Semester</b> <b>Semester</b>
Upravljanje z okoljem/ 1. stopnja	Ni smeri študija	3. letnik	5.
Environmental Management/ 1 <sup>st</sup> Cycle	No study field	3 <sup>rd</sup> year	5 <sup>th</sup>

**Vrsta predmeta/Course type**

obvezni/obligatory

**Univerzitetna koda predmeta/University course code**

1\_UO\_3\_UN3

<b>Predavanja</b> <b>Lectures</b>	<b>Seminar</b> <b>Seminar</b>	<b>Sem. vaje</b> <b>Tutorial</b>	<b>Lab. vaje</b> <b>Laboratory work</b>	<b>Teren. vaje</b> <b>Field work</b>	<b>Samost. delo</b> <b>Individ. work</b>	<b>ECTS</b>
30		30			90	6

**Nosilec predmeta/Lecturer:**

doc. dr. Srečko Devjak

**Jeziki/ Predavanja/Lectures:**  
**Languages:**

slovenski/Slovenian

**Vaje/Tutorial:**

slovenski/Slovenian

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

**Prerequisites:**

- Vpis v tretji letnik študijskega programa.
- Študent mora pred izpitom pripraviti in predstaviti seminarsko nalogo.

- Enrolment in the third year of study.
- A student has to successfully prepare and present a seminar a seminar paper before the examination.

**Vsebina:**

**Content (Syllabus outline):**

- *Uvod* (položaj podjetja v okolju, klimatske spremembe, podnebni sporazumi na mednarodni ravni, vloga države pri varstvu okolja, državne institucije z odgovornostjo za varovanje okolja pred škodljivimi vplivi produkcije).
- *Finančni vidiki upravljanja okolja v podjetjih* (varstvo okolja in dolgoročno vzdržna produkcija, raziskave in razvoj energetske varčnih in okolju prijaznih proizvodov, nadomestitvene investicije v okolju bolj prijazna osnovna sredstva,

- *Introduction* (position of a company in the environment, climate changes, climate agreements at international level, role of a country in environment protection, governmental institutions with responsibility to protect environment from harmful impacts of production).
- *Financial aspects of environment management in companies* (protection of environment in long-term sustainable production, research and development of energy saving and

<p>ekonomski učinki klimatskih sprememb, emisijski certifikati in določanje njihove vrednosti na trgu, finančni instrumenti/derivativi na emisijske certifikate, dinamika emisijske cene, deterministični in stohastični ravnotežnostni modeli, poročanje o onesnaževanju okolja, kvaliteta podatkov in nadzor).</p> <ul style="list-style-type: none"> <li>• <i>Finančne investicije v varstvo okolja in ohranjanje narave</i> (odnos potrošnikov do varstva okolja, skrb podjetja za okolje in tveganje ugleda, zavajanje potrošnikov pri določanju lastnosti izdelkov v odnosu do varstva okolja, organizacija proizvodnje in okolje kot omejitveni faktor, oblikovanje in produkcija okolju prijaznih izdelkov).</li> <li>• <i>Financiranje projektov za varstvo okolja</i> (bančni okoljski produkti in storitve, evropsko financiranje in pogoji, krediti za investicije s pozitivnim vplivom na okolje, krediti s subvencionirano obrestno mero, okoljske subvencije, nišni trgi in mikrokrediti, drugo okoljsko financiranje, presojanje investicijskih projektov s pozitivnim vplivom na okolje, vloga bank in razvojnih bank pri odobravanju kreditov za projekte z vplivom na okolje).</li> <li>• <i>Okoljske nesreče in finančne posledice za podjetja kot povzročitelje</i> (klasifikacija okoljskih nesreč, merjenje škode, finančne posledice/kazni za podjetja, študije primerov iz poslovne zgodovine).</li> </ul>	<p>environmental friendly products, replacement investments into more environmental friendly assets, economic impacts of climate changes, emission certificates and determination of their price on the market, financial instruments/derivatives on emission certificates, dynamics of emission price, deterministic and stochastic equilibrium models, environmental reporting, data quality and supervision).</p> <ul style="list-style-type: none"> <li>• <i>Financial investments in environment protection and nature conservation</i> (perception of consumers to protection of environment, environmental concern of the company and reputation risk, misleading of consumers with properties of products in relation to environment protection, organization of production and environment as restricting factor, designing and production of environmental friendly products).</li> <li>• <i>Financing of projects for environment protection</i> (environmental banking products and services, European financing and conditions, loans for investments with a positive impact on environment, loans with subsidized interest rate, environmental subsidies, niche markets and microcredits, other environmental financing, judgement of investment projects with positive impact on environment, role of banks and development banks at granting loans for projects with impact on environment).</li> <li>• <i>Environmental accidents and financial consequences for companies as drivers</i> (classification of environmental accidents, measurement of damage, financial consequences/penalties for companies, case studies from business history).</li> </ul>
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## Temeljna literatura in viri/Readings:

### Temeljna literatura/Basic literature

- Chesney, M., Gheysens, J., Taschini, L. (2013). Environmental finance and investments. Heidelberg: Springer-Verlag, str. 93-146.
- Ramiah, V., Gregoriou, G. N. (2015). Handbook of environmental and sustainable finance. Cambridge: Academic press, str. 307-334, 359-370.
- Tišma, S., Boromisa, A. M., Pavičić Kaselj, A. (2018). Environmental finance and development. New York: Routledge, str. 5-61.

### Priporočljiva literatura/Recommended literature

- Labatt, S., White, R. R. (2002). *Environmental finance. A guide to environmental risk assessment and financial products*. New York. John Wiley & Sons, Inc.
- Glasson, J., Therivel, R. in Chadwick, A. (2007). *Introduction to environmental impact assessment*. Routledge, str. 423.
- Ramšak, V. (2003). *Strokovni posvet o kreditiranju naložb varstva okolja*. Ljubljana: Svetovalni center.
- Markovič-Hrnibernik, T., Kirbiš Rojs, M. (2002). *Ukrepi in instrumenti za zmanjševanje emisij toplogrednih plinov in njihovi učinki (s poudarkom na sektorju energetike): poročilo o znanstveno raziskovalni nalogi*. Maribor: Ekonomsko-poslovna fakulteta.

### Cilji in kompetence:

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

- analizo, sintezo in predvidevanje rešitev ter posledic na področju varstva okolja,
- evidentiranje in definiranje okoljskih problemov, analizo problemov ter pripravo strokovno utemeljenih rešitev,
- uporabo pridobljenega znanja v praksi,
- sposobnost razumevanja vseh vidikov presoj vplivov okolja vključno z zdravjem prebivalstva,
- razumevanje okoljske ekonomije in ekonomske politike ter finančnih vidikov upravljanja okolja,
- razumevanje pomena in oblik sodelovanja podjetij pri soodločanju o okoljskih zadevah.

### Objectives and competences:

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

- analysis, synthesis and prediction of solutions and consequences in the area of protection of environment,
- evidencing and defining of environmental problems, analysis of problems and preparation of professionally justified solutions,
- usage of collected knowledge in practice,
- ability to understand all aspects of judgement of impacts on environment including health of people,
- ability to value the nature and protocols for determination of status of natural value, at professional and procedural level,
- understanding of environmental economics and economic policy as well as financial aspects at management of environment,
- understanding of meaning and forms of organization collaboration at co-determination of environmental issues.

Predvideni študijski rezultati:	Intended learning outcomes:
<p><b>Študent/študentka:</b></p> <ul style="list-style-type: none"> <li>• opiše položaj in vrednost okolja v proizvodnem procesu,</li> <li>• opredeljuje vlogo države in njenih institucij, ki usmerjajo in nadzorujejo podjetja pri organizaciji proizvodne in varstvu okolja,</li> <li>• pojasni odnos potrošnikov do varstva okolja in njihov pogled na okolju neprijazne proizvode podjetja,</li> <li>• našteje emisijske certifikate in določanje njihove vrednosti na trgu,</li> <li>• razvrsti finančne vire za financiranje okolju prijaznih investicij,</li> <li>• presoja investicijske projekte z vidika njihovega vpliva na okolje,</li> <li>• analizira/predvideva okoljske nesreče in meri finančne posledice.</li> </ul>	<p><b>Students:</b></p> <ul style="list-style-type: none"> <li>• describe the position and value of the environment in production process,</li> <li>• define role of a country and its institutions, which direct and supervise companies at organisation of production and protection of environment,</li> <li>• explain perception of consumers to protection of environment and their view on environmental unfriendly products,</li> <li>• list emission certificates and determination of their price on the market,</li> <li>• classify financial sources for financing of environmental friendly investments,</li> <li>• judge investment projects from perspective of their impact on environment,</li> <li>• analyze and predict of environmental accidents and measurement of financial consequences.</li> </ul>

Metode poučevanja in učenja:	Learning and teaching methods:
<ul style="list-style-type: none"> <li>• <i>predavanja</i> z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov),</li> <li>• <i>seminarske vaje</i>: priprava, predstavitev in uspešen zagovor seminarske naloge, portfolio (reševanje problemov, študije primera, kritično presojanje, diskusija, refleksija izkušenj, vrednotenje, projektno delo, timsko delo).</li> </ul>	<ul style="list-style-type: none"> <li>• <i>lectures</i> with active student participation (explanation, discussion, questions, examples, problem solving),</li> <li>• <i>seminar tutorial</i>: preparation, presentation and a successful defence of a seminar paper, portfolio (problem solving, case studies, methods of critical thinking, discussion, reflection of experience, evaluation, project work, team work).</li> </ul>

Načini ocenjevanja:	Delež (v %) Weight (in %)	Assessment:
<p>Načini:</p> <ul style="list-style-type: none"> <li>• izpit</li> <li>• izdelava, predstavitev in zagovor seminarske naloge</li> <li>• aktivnost na predavanjih in seminarских vajah</li> </ul>	<p>50 % 30 % 20 %</p>	<p>Types:</p> <ul style="list-style-type: none"> <li>• exam</li> <li>• preparation, presentation and defence of the seminar paper</li> <li>• activity on lectures and seminar tutorial</li> </ul>
Ocenjevalna lestvica: ECTS.		Grading scheme: ECTS.

