

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Ravnanje z okoljem in trajnostni razvoj
Course title:	Environmental management and sustainable development

Študijski program in stopnja <i>Study programme and level</i>	Študijska smer <i>Study field</i>	Letnik <i>Academic year</i>	Semester <i>Semester</i>
Menedžment kakovosti Podiplomski (druga)	Program nima smeri	1. / 2.	2. / 4.
Quality Management Graduate-Master (Second)	The program has no study fields	1 / 2	2 / 4

Vrsta predmeta / Course type: Izbirni Elective

Univerzitetna koda predmeta / University course code: 021023-02

Predavanja <i>Lectures</i>	Seminar <i>Seminar</i>	Sem. vaje <i>Tutorial</i>	Lab. vaje <i>Laboratory work</i>	Teren. vaje <i>Field work</i>	Samost. delo <i>Individ. work</i>	ECTS
30	-	20	-	-	100	5

Nosilec predmeta / Lecturer: doc.ddr. Davorin Kralj Dr. multi.Davorin Kralj
Assistant Professor

Jeziki / Languages:

Predavanja / Lectures:	Vaje / Tutorial:
Slovenski, angleški	Slovenski, angleški
Slovenian, English	Slovenian, English

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

- Vpis v 1. letnik študija.
- Študent/študentka mora pred pristopom k izpitu pripraviti in zagovarjati empirično seminarsko nalogo.

Prerequisites:

- Enrolment in the first year of study.
- The student must prepare and defend an empirical seminar paper as a prerequisite for the final exam.

Vsebina:

1. Izhodišča ravnanja z okoljem organizacije.
2. Pravni vidiki ravnanja z okoljem v organizaciji.
3. Ugotavljanje stanja kakovosti okolja in vplivov na okolje ter s tem povezanega tveganja.
4. Raziskovanje pojavov v okolju.
5. Priprava in izvajanje programov monitoringa.
6. Priprava in izvajanje strategij in orodij ravnanja z okoljem.
7. Ravnanje z okoljem po smernicah okoljske odličnosti (TQEM).
8. Snovanje, vodenje in vrednotenje investicij, povezanih s posegi v okolje.
9. Snovanje strateških in operativnih planov sonaravnega okoljskega razvoja.
10. Primeri dobrih praks na področju ravnanja z okoljem in trajnostnega razvoja.

Content (Syllabus outline):

1. Starting points of environmental management in the organization.
2. Legal aspects of environmental management in the organization.
3. Determining the state of environmental quality and effects on the environment and related risks.
4. Researching environmental phenomena.
5. Preparing and implementing monitoring programs.
6. Preparing and implementing strategies and tools of environmental management.
7. Environmental management according to environmental excellence (TQEM).
8. Developing, managing, and evaluating investments related to environmental interventions.
9. Developing strategic operative plans related to sustainable environmental development.

10. Examples of good practices in the area of environmental management and sustainable development.

Temeljna literatura in viri / Readings

Obvezna literature / Required reading(s):

- Bichard, E., & Cooper, L. C. (2008). *Positively Responsible: How Business can Save the Planet*. Burlington, MA: Elsevier.
- *Harvard Business Review on Green Business Strategy*. (2007). Boston: HBS publishing Corporation.
- Pribakovič-Borštnik, A., Zornik, B. M., & Žagar, T. (2004). *Odgovorno okoljsko delovanje: sistem ravnanja z okoljem*. Ljubljana: SIQ.

Dodatna – dopolnilna / Recommended reading(s):

- Senge, P. (2008). *The Necessary Revolution: How Individuals and Organizations Are Working Together to Create a Sustainable World*. London, Boston: Nicholas Brealey Publishing.
- Seražin, M. (2005). Ocena tveganja je narejena. Kako naprej? Ljubljana: SIQ.
- Vujošević, N. (2006). Vodilo za okoljske standarde. Ljubljana: GV.
- Wever, G. (1996). *Strategic Environmental Management: Using TQEM and ISO 14000 for Competitive Advantage (Wiley Series in Environmental Quality Management)*. New York: John Wiley & Sons.
- Woodside, G., Yturr, J., & Aurricchio, P. (1998). *ISO 14001 Implementation Manual*. New York: McGraw-Hill.
- Standard ISO 14001.
- Izbrani aktualni članki.

Cilji in kompetence:

- Poznavanje in razumevanje družbenih, organizacijskih in med organizacijskih procesov in sposobnost njihove kompleksne analize.
- Sposobnost kritične presoje pri izbiri, aplikaciji in izboljšavah sodobnih pristopov, modelov in orodij kakovosti in odličnosti.
- Sposobnost oblikovanja izvornih idej, konceptov in rešitev določenih problemov.
- Razvoj komunikacijskih sposobnosti in spretnosti za komuniciranje z različnimi okolji.
- Sposobnost timskega dela, tj. pripravljenost na sodelovanje, kooperativnost, upoštevanje mnenj drugih in izpolnjevanje dogovorjene vloge v okviru tima in skupine.
- Poznavanje profesionalne etike, pravne zakonodaje, priznavanje in spoštovanje moralnih in etičnih načel in vrednot ter njihova uporaba pri delu.
- Internalizacija avtopoietičnega koncepta obvladovanja kakovosti in odličnosti, temelječega na spiralno-vijačnem zaporedju planiranja, izvedbe, preverjanja in ukrepanja.
- Sposobnost usmerjanja ustvarjalnih zmogljivosti sodelavcev, na podlagi skupnih vrednot in kulture zaupanja ter pooblašanja, ki vsakogar spodbuja k vključevanju.
- Obvladovanje oblikovanja in nenehnega izboljševanja procesno koncipirane organizacije na podlagi procesov in dejstev.

Objectives and competences:

- Knowledge and understanding of social, organizational, and inter-organizational processes and ability for complex analysis.
- The ability of critical assessment in the selection, application, and improvement of contemporary approaches, models, and tools for quality and excellence.
- Ability to formulate original ideas, concepts and solutions to specific issues.
- The development of communication skills and abilities to communicate with different environments.
- Ability for teamwork, i.e., willingness to collaborate and cooperate, respecting the opinions of others and completing the designated task within the team and group.
- Knowledge of professional ethics, laws, recognition, and respect for moral and ethical values and principles to their application at work.
- Internalising the concept of autopoiesis in reference to quality management and excellence founded on the spiralling order of planning, doing, checking, and acting.
- The ability to direct the creative capacities of staff and personnel that are based on shared values and a culture of trust and empowerment that encourages inclusion for everyone.
- Managing the design and continuous improvement of a

<ul style="list-style-type: none"> – Internalizacija vedenja, ki ustvarja jasnost in enotnost namena v mejah organizacije ter okolja, v katerem lahko organizacija in njeni zaposleni izkazujejo svojo odličnost. – Zmožnost družbeno odgovornega delovanja na osnovi etičnosti ter preseganja pričakovanj in pravil najširše družbe. – Poglobljeno poznavanje in razumevanje organizacij in procesov v sodobnem poslovnem okolju. – Organizacijske in vodstvene spretnosti za usmerjanje dela v organizaciji. – Usposobljenost za svetovalno delo (prenos znanja). 	<p>process-oriented organization that is based on processes and facts.</p> <ul style="list-style-type: none"> – Internalisation of behaviour that creates clarity and unity of purpose within the organization as well as in the environment within which the organization and its employees demonstrate excellence. – The ability for social responsible actions on the basis of ethics and exceeding expectations and norms of the general society as a whole. – In-depth knowledge and understanding of organizations and processes in the contemporary business environment. – Organizational and leadership skills to guide tasks and work in the organization. – Qualification for consultancy work (knowledge transfer).
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<p>Predvideni študijski rezultati:</p> <p>Študent/študentka:</p> <ul style="list-style-type: none"> – Pozna in razume pomen in vlogo ravnanja z okoljem in trajnostnega razvoja. – Razume interakcijsko delovanje dejavnikov, ki vplivajo na uspešnost in učinkovitost ravnanja z okoljem in trajnostnega razvoja. – Pozna in uporablja pristope, modele in orodja organizacijske prakse s področja ravnanja z okoljem in trajnostnega razvoja. – Uporablja osnovna znanja in veščine s področja ravnanja z okoljem in trajnostnega razvoja. – Reflektira in kritično ovrednoti različne izkušnje iz področja ravnanja z okoljem in trajnostnega razvoja. – Proaktivno in kritično spremlja in reflektira aktualno dogajanje na področju ravnanja z okoljem in trajnostnega razvoja. – V povezavi z drugimi predmeti pozna, razume in reflektira kompleksnost strokovnih in družbenih nalog zaposlenih v organizaciji na področju ravnanja z okoljem in trajnostnega razvoja. – Pozna in razume umeščenost ravnanja z okoljem in trajnostnega razvoja v širše družbene, kulturne in vrednotne kontekste ter z refleksijo teh kontekstov oblikuje intelektualno proaktiven odnos do sveta 	<p>Intended learning outcomes:</p> <p>The student will:</p> <ul style="list-style-type: none"> – Know and understand the meaning and role of environmental management and sustainable development. – Understand the interactive functions of factors that effect on the success and effectiveness of environmental management and sustainable development. – Understand and use approaches, models, and tools of organizational practice from the field of environmental management and sustainable development. – Reflect and critically evaluate various experiences from the field of environmental management and sustainable development. – Proactively and critically monitor and reflect current developments in the field of environmental management and sustainable development. – In connection with other courses, know and reflect the complex professional and social tasks of employees in environmental management system environmental management and sustainable development. – Know and understand how environmental management and sustainable development system fit with society in large, within the context of culture and value-laden as well as reflect from these contexts to form an intellectually active relationship to the world.
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<p>Metode poučevanja in učenja:</p>	<p>Learning and teaching methods:</p>
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<ul style="list-style-type: none"> – Predavanja z aktivno udeležbo študentov (razlaga snovi, pogovori, vprašanja, primeri, reševanje problemov). – Seminarske vaje v povezavi s prakso (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, pogovori, sporočanje povratne informacije, socialne igre, ekskurzija). – Individualne in skupinske konzultacije (pogovori, dodatna razlaga, obravnava specifičnih vprašanj). – Animacija samostojnega študija in raziskovanja (motiviranje, usmerjanje, samoopazovanje, samouravnavanje, refleksija, samoocenjevanje). 	<ul style="list-style-type: none"> – Lectures with active student participation (discussions, talks, questioning, cases, problem-solving). – Seminar papers in connection to practice (reflections from experience, project work, teamwork, methods of critical thinking, talks, providing feedback, social games, excursions). – Individual and group consultations (discussions, additional explanations, discussing specific questions). – Facilitating independent study and research (motivating, directing, self-examination, self-regulation, reflection, and self-assessment).
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Načini ocenjevanja:	Delež / Weight (%)	Assesment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		<i>Type (examination, oral, coursework, project)</i>
– Pisni/ustni izpit	60%	– Written / Oral Exam
– Empirična seminarska naloga s poročili seminarskega dela ter predstavitev naloge	40%	– Empirical seminar paper with reports from seminar work and seminar paper presentation

Reference nosilca / Lecturer's references:

<ul style="list-style-type: none"> – KRALJ, Davorin. Innovative systemic approach for promoting sustainable innovation for zero construction waste. <i>Kybernetes</i>, 2011, vol. 40, no. 1/2, str. 275-289. [COBISS.SI-ID 2048001794], [JCR, WoS do 11. 4. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 3. 3. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0] – KRALJ, Davorin. Experimental study of recycling lightweight concrete with aggregates containing expanded glass. <i>Process saf. environ. prot.</i>, 2009, vol. 87, is. 4, str. 267-273, doi: 10.1016/j.psep.2009.03.003. [COBISS.SI-ID 3213783], [JCR, WoS do 8. 9. 2009: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 18. 6. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0]. – OGRIN, Uroš, KRALJ, Davorin. Sustainable business and environmental indicators. <i>WSEAS trans. commun.</i>, mar. 2009, vol. 8, is. 3, str. 331-342. [COBISS.SI-ID 3181783], [Scopus do 13. 6. 2012: št. citatov (TC): 1, čistih citatov (CI): 1, normirano št. čistih citatov (NC): 1]. – KRALJ, Davorin. Systems thinking and modern green trends. <i>WSEAS transactions on environment and development</i>, 2009, vol. 5, is. 6, str. 415-424, ilustr., tabele. [COBISS.SI-ID 3295703], [Scopus do 24. 2. 2011: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0] – KRALJ, Davorin. Dialectal system approach supporting environmental innovation for sustainable development. <i>Kybernetes</i>, 2008, let. 37, št. 9/10, str. 1542-1560. [COBISS.SI-ID 2863319], [JCR, WoS do 6. 4. 2012: št. citatov (TC): 2, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 18. 6. 2012: št. citatov (TC): 10, čistih citatov (CI): 3, normirano št. čistih citatov (NC): 3]
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