



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Spletne aplikacije v izobraževanju
Course title:	Web application in the education

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester
Enovit magistrski študijski program druge stopnje Predmetni učitelj	/	5.	9.
Five-year master's degree program Subject Teacher	/		

Vrsta predmeta / Course type

Izbirni / Elective

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
30			30		120	6

Nosilec predmeta / Lecturer:

izr. prof. dr. Marjan Krašna

Jeziki /

Predavanja / Lectures: Slovenski / Slovenian

Languages:

Vaje / Tutorial: Slovenski / Slovenian

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

Prerequisites:

Dobro poznavanje dela z računalnikom, uporabniškim vmesnikom in programi za obdelavo besedil, tabel in prosojnic.

Skilled working with computer, user interface and office programs.

Vsebina:

- Splet v izobraževanju
- Distribucijski sistemi za izobraževalne vsebine
- Sistemi za upravljanje s spletnimi vsebinami (CMS)
 - struktura, vsebine, upravljanje
- Sistemi za upravljanje z učnimi okolji (LMS/CMS)
 - e-učna gradiva
 - standardi
 - upravljanje
- Komunikacijski sistemi v izobraževanju
 - tradicionalni,
 - konferenčni
- Kontrolni sistemi
 - sistemi oddaljene pomoči
- sistemi nadzora nad učilnico

Content (Syllabus outline):

- Educational web
- Distribution systems for educational materials
- (CMS) Content management systems
 - structure, content, administration
- (LMS/CMS) Learning management systems & Course management systems
 - e-learning materials
 - standards
 - administrations
- Educational communication systems
 - traditional,
 - conference communication systems
- Control systems
 - distance support
- control over classroom

Temeljna literatura in viri / Readings:

- Rice William, Moodle : e-learning course development: complete guide to successful learning using Moodle, Birmingham, Mumbai : Packt Publishing, 2006
- Barbara Allan, Dina Lewis, Virtual Learning Communities (Society for Research Into Higher Education), Open University Press; 2005
- Shirley Bennett, Debra Marsh, Clare Killen, Handbook of online education, London, New York, Continuum International Publishing Group (March 15, 2007)

Cilji in kompetence:

- Spoznati izobraževanje na daljavo
- Spoznati sisteme za izobraževanje na daljavo
- Znati upravljati s sistemi za izobraževanje na daljavo
- Poznati različna učna gradiva za e-izobraževanje

Objectives and competences:

- Knowledge about distance education
- Knowledge about educational systems
- Usage and control of LSM/CMS systems
- Knowledge about learning materials

Predvideni študijski rezultati:

Intended learning outcomes:

<p>Znanje in razumevanje:</p> <ul style="list-style-type: none"> • Razumevanje upravljanja učnih vsebin • Komunikacija v izobraževanju • Specifikacija zahtev za izobraževalna gradiva <p>Prenesljive/ključne spretnosti in drugi atributi:</p> <ul style="list-style-type: none"> • Upravljanje s CMS in LMS sistemi • Upravljanje z učnimi vsebinami 	<p>Knowledge and Understanding:</p> <ul style="list-style-type: none"> • Understanding management of e-learning material • Educational communication • Requirement specification for e-learning materials <p>Transferable/Key Skills and other attributes:</p> <ul style="list-style-type: none"> • Management of CMS and LMS systems • Management of e-learning materials
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Metode poučevanja in učenja:

<ul style="list-style-type: none"> • Predavanja • Laboratorijske vaje • Individualno delo
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Learning and teaching methods:

<ul style="list-style-type: none"> • Lectures • Laboratory excersises • Individual work
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Delež (v %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

<p>Način (pisni izpit, ustno izpraševanje, naloge, projekt)</p> <ul style="list-style-type: none"> • pisni test • ustni izpit <p>Vsaka izmed naštetih obveznosti mora biti opravljena s pozitivno oceno.</p> <p>Pozitivna ocena pri pisnem testu je pogoj za pristop k izpitu.</p>	<p>50%, 50%</p>	<p>Type (examination, oral, coursework, project):</p> <ul style="list-style-type: none"> • Written test • oral exam <p>Each of the mentioned commitments must be assessed with a passing grade.</p> <p>Passing grade of the written test is required for taking the exam.</p>
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Reference nosilca / Lecturer's references:

<p>KAUČIČ, Branko, RAMŠAK, Maja, KRAŠNA, Marjan. Rich media presentations in blended learning = Bogate medijske prezentacije u kombiniranom učenju. Informatologia (Zagreb), 2011, vol. 44, no. 4, str. 287-295. [COBISS.SI-ID 18877704]</p>
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DUH, Matjaž, KRAŠNA, Marjan. Aesthetics and creativity in e-learning material. International journal of knowledge and learning. [Online ed.], 2011, vol. 7, no. 1/2, str. 130-144, ilustr.
<http://dx.doi.org/10.1504/IJKL.2011.043896>, doi: 10.1504/IJKL.2011.043896. [COBISS.SI-ID 18861320]

KRAŠNA, Marjan. E-learning materials development projects. V: BOHANEK, Marko (ur.), BRODNIK, Andrej (ur.). Zbornik 13. mednarodne multikonference Informacijska družba - IS 2010, 11.-15. oktober 2010, (Informacijska družba). Ljubljana: Institut Jožef Stefan, 2010, zv. A, str. 243-246. [COBISS.SI-ID 17963272]

KRAŠNA, Marjan, BRATINA, Tomaž, KAUČIČ, Branko. Differences in e-learning material production according to the learners' age and comprehension level. V: AURER, Boris (ur.), BAČA, Miroslav (ur.), RABUZIN, Kornelije (ur.). 20th Central European Conference on Information and Intelligent Systems, September 23-25, 2009, Varaždin, Croatia. Conference proceedings. Zagreb: University of Zagreb; Varaždin: Faculty of Organisation and Informatics, 2009, str. 79-86, ilustr. [COBISS.SI-ID 17253128]

REPNIK, Robert, KAUČIČ, Branko, KRAŠNA, Marjan. E-Learning in the modern curriculum development. V: GHISLANDI, Patrizia (ur.). Elearning - theories, design, software and applications. Rijeka: InTech, cop. 2012, str. 213-226, ilustr. <http://www.intechopen.com/books/elearning-theories-design-software-and-applications/e-learning-in-the-modern-curriculum-development>. [COBISS.SI-ID 19185928]