



Univerza v Mariboru

Fakulteta za naravoslovje  
in matematiko

### UČNI NAČRT PREDMETA / COURSE SYLLABUS

<b>Predmet:</b>	Spletne aplikacije v izobraževanju
<b>Course title:</b>	Web application in the education

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

Vrsta predmeta / Course type

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:

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

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

<ul style="list-style-type: none"> <li>• Lectures</li> <li>• Laboratory excersises</li> <li>• Individual work</li> </ul>
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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"> <li>• pisni test</li> <li>• ustni izpit</li> </ul> <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"> <li>• Written test</li> <li>• oral exam</li> </ul> <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:**

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]

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]