

	UČNI NAČRT PREDMETA/COURSE SYLLABUS
Predmet	Informacijski sistemi v zdravstvu
Course title	<i>Information Systems in Health Care</i>

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Vzgoja in menedžment v zdravstvu/2. stopnja	Ni smeri študija	2. letnik	3.
<i>Education and Management in Health Care / 2nd Cycle</i>	No study field	2 nd year	3 rd

Vrsta predmeta/Course type

modularni / module

Univerzitetna koda predmeta/University course code

VMZ2 M4 UN1

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Laboratory work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
30		30			180	8

Nosilec predmeta/Lecturer:

izr. prof. dr. Ivan Gerlič

Jeziki/ Predavanja/Lectures:
Languages:

slovenski/Slovenian

Vaje/Tutorial:

slovenski/Slovenian

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

Prerequisites:

<ul style="list-style-type: none"> • Vpis v drugi letnik študijskega programa. • Študent mora pred izpitom pripraviti in predstaviti ter zagovarjati projektno/raziskovalno nalogo. 	<ul style="list-style-type: none"> • A prerequisite for inclusion is enrolment in the second year of study. • Student has to prepare, present and defend a project/research paper before the exam.
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Vsebina:

Content (Syllabus outline):

<ul style="list-style-type: none"> • Informacijski sistemi in informacijski sistemi v zdravstvu. • Razvoj informatike in uporaba informacijske tehnologije v zdravstvu. • Standardizirana terminologija in podatkovni standardi v zdravstvu. • Uporaba informacijske tehnologije pri izobraževanju zdravstvenih delavcev in bolnikov. • Internet in iskanje informacij, zdravstvo na daljavo. 	<ul style="list-style-type: none"> • Information systems and information systems in health care. • The development of informatics and the use of information technology in health care. • Standardized terminology and data standards in health care. • The use of information technology in the education of health professionals and patients.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<ul style="list-style-type: none"> • Načrtovanje in modeliranje informacijskih sistemov. • Testiranje in ocenjevanje uporabnosti informacijskih sistemov v zdravstvu. • Uvajanje informacijskih sistemov v klinično okolje. • Načrtovanje in modeliranje informacijskega sistema za podporo procesom v zdravstvu. • Uporaba informacijske tehnologije pri izobraževanju. 	<ul style="list-style-type: none"> • The Internet and searching for information, health care at a distance. • Designing and modelling of information systems. • Testing and assessing the usefulness of information systems in health care. • Introducing information systems into the clinical environment. • Planning and modelling the information system to support the processes in health care. • The use of information technology in education.
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Temeljna literatura in viri/Readings:

<ul style="list-style-type: none"> • Burke, L., Weill, B. (2009). Information technology for the health professions, 3rd ed. Upper Saddle River: Prentice Hall. • Gradišar, M., Resinovič, G. (1998). Informatika v organizaciji. Skripta. Kranj: Moderna organizacija. • Hebda, T. et al. (2004). Handbook of informatics for nurses and health care professionals. 3rd ed. Upper Saddle River: Prentice Hall. • Saba, V. K., McCormick, K. A. (2006). Essentials of nursing informatics. 4th ed. New York [etc.]: McGraw-Hill.

Cilji in kompetence:

<p><i>Učna enota prispeva predvsem k razvoju naslednjih splošnih in specifičnih kompetenc:</i></p> <ul style="list-style-type: none"> • poznavanje temeljnih spoznanj, razvoja in definicij v informatiki na splošno in povezava s področja informatike v zdravstvu, • poznavanje pomembnosti informacije, informacijskih sistemov in informacijske tehnologije v zdravstvu, • razumevanje pomembnosti vloge zdravstvenih delavcev pri razvoju zdravstvenih informacijskih sistemov, • uporaba teorij razvoja zdravstvenih informacijskih sistemov v praksi. 	<h4>Objectives and competences:</h4> <p><i>The learning unit mainly contributes to the development of the following general and specific competences:</i></p> <ul style="list-style-type: none"> • knowledge of fundamental findings, development and definitions in informatics in general and the link with the informatics in health care, • knowledge of the importance of a piece of information, information systems and information technology in health care, • understanding the importance of the health professionals' role in the development of health information systems, • application of the health information systems development theories in practice.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Predvideni študijski rezultati:

<i>Študent/študentka:</i>	<i>Students:</i>
---------------------------	------------------

<ul style="list-style-type: none"> lahko aktivno sodeluje pri razvoju informacijskih sistemov v zdravstvu. 	<ul style="list-style-type: none"> can actively participate in the development of information systems in health care.
---------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------

Metode poučevanja in učenja:

Learning and teaching methods:

<ul style="list-style-type: none"> <i>predavanja</i> z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov), <i>seminarske vaje</i>: priprava, predstavitev in uspešen zagovor projektne/raziskovalne naloge, <i>konzultacije</i>. 	<ul style="list-style-type: none"> <i>lectures</i> with active student participation (explanation, discussion, questions, examples, problem solving); <i>tutorial</i>: preparation, presentation and a successful defence of a project/research paper, <i>consultations</i>.
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Načini ocenjevanja:

Delež (v %)

Weight (in %)

Assessment:

<p>Načini:</p> <ul style="list-style-type: none"> izpit izdelava, predstavitev in zagovor projektne/raziskovalne naloge <p>Ocenjevalna lestvica: ECTS.</p>	<p>50 %</p> <p>50 %</p>	<p>Types:</p> <ul style="list-style-type: none"> exam preparation, presentation and defence of the project/research paper <p>Grading scheme: ECTS.</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------