

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

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Zdravstvena nega / 2. stopnja	Ni smeri študija	2. letnik	3.
Nursing Care / 2 nd Cycle	No study field	2 nd year	3 rd

Vrsta predmeta/Course type modularni/module

Univerzitetna koda predmeta/University course code 2ZN 2 M8 UN3

Predavanja	Seminar	Sem. vaje	Lab. vaje	Teren. vaje	Samost. delo	ECTS
Lectures	Seminar	Tutorial	Laboratory work	Field work	Individ. work	
20		30			130	6

Nosilec predmeta/Lecturer: doc. dr. Ivan Gerlič

Jeziki/ Languages:	Predavanja/Lectures:	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"> • Razvoj informatike in uporaba informacijske tehnologije v zdravstvu in zdravstveni negi. • Standardizirana informacijska terminologija in podatkovni standardi v zdravstvu. • Internet in iskanje informacij v zdravstvu. • Telezdravstvo in mobilno zdravstvo. • Informacijski sistemi v zdravstvu in zdravstveni negi. • Načrtovanje in modeliranje informacijskih sistemov. 	<ul style="list-style-type: none"> • The development of informatics and the use of information technology in health care and nursing care. • Standardized information terminology and data standards in health care. • The internet and searching for information in health care. • Telehealth and mobile health care. • Information systems in health care and nursing care. • Designing and modelling information systems.

<ul style="list-style-type: none"> • Testiranje in ocenjevanje uporabnosti informacijskih sistemov v zdravstvu. • Uvajanje informacijskih sistemov v klinično okolje. • Uporaba informacijske tehnologije pri izobraževanju zdravstvenih delavcev in bolnikov. 	<ul style="list-style-type: none"> • Testing and assessing the usefulness of information systems in health care. • Introducing information systems into the clinical environment. • The use of information technology in education of healthcare professionals and patients.
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Temeljna literatura in viri/Readings:

Temeljna literatura/Basic literature

- Burke, L. in Weill, B. (2009). *Information technology for the health professions*, 3rd ed. Upper Saddle River: Prentice Hall.
- Eren, H. in Webster J. G. (2017). *Telehealth and Mobile Health*. London, New York: CRC Press. Boca Raton.
- Gerlič, I. (2018). *Informatika v zdravstvu (e-učbenik)*. Novo mesto: Univerza v Novem mestu, Fakulteta za zdravstvene vede Novo mesto.
- Hebda, T. et al. (2004). *Handbook of informatics for nurses and health care professionals*. 3rd ed. Upper Saddle River: Prentice Hall.
- Nelson, R. in Stagers, N. (2018). *Health Informatics*, 2nd ed. Utah, Pennsylvania: Elsevier.
- Saba, V. K. in McCormick, K. A. (2006). *Essentials of nursing informatics*. 4th ed. New York [etc.]: McGraw-Hill.

Cilji in kompetence:

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

- 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.

Objectives and competences:

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

- 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.

<p>Predvideni študijski rezultati:</p> <p><i>Študent/študentka:</i></p> <ul style="list-style-type: none"> aktivno sodeluje pri razvoju informacijskih sistemov v zdravstvu. 	<p>Intended learning outcomes:</p> <p><i>Knowledge and understanding:</i></p> <p><i>Students:</i></p> <ul style="list-style-type: none"> actively participate in the development of information systems in health care.
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<p>Metode poučevanja in učenja:</p> <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> 	<p>Learning and teaching methods:</p> <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>
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Načini ocenjevanja:	Delež (v %) Weight (in %)	Assessment:
<p>Načini:</p> <ul style="list-style-type: none"> 100 % udeležba na predavanjih in vajah: priprava, predstavitev in zagovor projektne/raziskovalne naloge – 100 % ocene; če študent ni 100 % udeležen na predavanjih in vajah: <ul style="list-style-type: none"> izpit – 60 % ocene, priprava, predstavitev in zagovor projektne/raziskovalne naloge – 40 % ocene. <p>Ocenjevalna lestvica: ECTS.</p>	<p>100 %</p> <p>ali / or</p> <p>60 %</p> <p>40 %</p>	<p>Types:</p> <ul style="list-style-type: none"> 100% attendance at lectures and tutorials: preparation, presentation and defence of project/research paper – 100 % of the grade; if the students' attendance at lectures and tutorials is not 100%: <ul style="list-style-type: none"> exam - 60% of the grade, preparation, presentation and defense of the project/research paper – 40% of the grade. <p>Grading scheme: ECTS.</p>