

	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	Sem. vaje	Kab. vaje	Lab. vaje	Teren. vaje	Samost. delo	ECTS
Lectures	Tutorial	Cabinet tutorial	Laboratory work	Field work	Individ. work	
30	30				180	8

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:
Vpis v drugi letnik študijskega programa.	The prerequisite for inclusion is enrolment in the second year of study.

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. 	<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.

<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. • Uporaba informacijske tehnologije pri izobraževanju zdravstvenih delavcev in bolnikov. 	<ul style="list-style-type: none"> • Designing and modelling information systems. • 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 Staggers, 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.

Predvideni študijski rezultati:**Intended learning outcomes:**

Študent/študentka: <ul style="list-style-type: none"> lahko aktivno sodeluje pri razvoju informacijskih sistemov v zdravstvu. 	Knowledge and understanding: Students: <ul style="list-style-type: none"> can actively participate in the development of information systems in health care.
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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, portfolio (reševanje problemov, študije primera, kritično presojanje, diskusija, refleksija izkušenj, vrednotenje, projektno delo, timsko delo). 	<ul style="list-style-type: none"> <i>lectures</i> with active student participation (explanation, discussion, questions, examples, problem solving), <i>seminar tutorial</i>: preparation, presentation and a successful defence of a project/research paper, portfolio (problem solving, case studies, methods of critical thinking, discussion, reflection of experience, evaluation, project work, teamwork).
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Načini ocenjevanja:

Delež (v %)

Weight (in %)

Assessment:

Načini: <ul style="list-style-type: none"> 100 % udeležba na predavanjih in vajah: priprava, predstavitev in zagovor raziskovalne naloge – 100 % ocene; če študent ni 100 % udeležen na predavanjih in vajah: <ul style="list-style-type: none"> izpit – 70 % ocene, priprava, predstavitev in zagovor raziskovalne naloge – 30 % ocene. <p>Ocenjevalna lestvica: ECTS.</p>	100 % ali / or 70 % 30 %	Types: <ul style="list-style-type: none"> 100 % attendance at lectures and tutorials: preparation, presentation and defence of project paper – 100 % of the grade; if the students' attendance at lectures and tutorials is not 100%: <ul style="list-style-type: none"> exam - 70% of the grade, preparation, presentation and defense of the research paper – 30% of the grade. <p>Grading scheme: ECTS.</p>
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