

	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
Vzgoja in menedžment v zdravstvu/2. stopnja	Ni smeri študija	2. letnik	I.
<i>Education and Management in Health Care / 2nd Cycle</i>	No study field	2 st year	I st

Vrsta predmeta/Course type modularni / module

Univerzitetna koda predmeta/University course code VMZ 2 M 4 UN I

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/ 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.
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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. 	<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.
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<ul style="list-style-type: none"> • Internet in iskanje informacij, zdravstvo na daljavo. • 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.
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Temeljna literatura in viri/Readings:

<p>Temeljna literatura</p> <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. 	<h3>Objectives and competences:</h3> <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.
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Predvideni študijski rezultati:**Intended learning outcomes:****Student/šudentka:**

- lahko aktivno sodeluje pri razvoju informacijskih sistemov v zdravstvu.

Knowledge and understanding:**Students:**

- can actively participate in the development of information systems in health care.

Metode poučevanja in učenja:

- predavanja,
- laboratorijske vaje,
- konzultacije,
- izpit.

Learning and teaching methods:

- *lectures* with active student participation (explanation, discussion, questions, examples, problem solving);
- *laboratory work*: preparation, presentation and a successful defence of a project paper (problem solving, case studies with discussion, methods of critical thinking, reflection of experience, evaluating, project work, team work).
- *consultations*,
- *exam*.

Načini ocenjevanja:

Delež (v %)

Weight (in %)

Assessment:

- 100% udeležba na predavanjih in vajah: priprava, predstavitev in zagovor raziskovalne naloge – 100 % ocene;
- če študent ni 100 % udeležen na predavanjih in vajah:
 - izpit – 60 % ocene,
 - priprava, predstavitev in zagovor raziskovalne naloge – 40 % ocene.

Ocenjevalna lestvica: ECTS.

60 %

40 %

- 100% participation in lectures and tutorial: preparation, presentation and defence of the research paper – 100% of the final grade;
- if students do not have the 100% participation in lectures and tutorial:
 - exam – 60%
 - preparation, presentation and defence of the research paper – 40%

Grading scheme: ECTS.