

Sveučilište u Rijeci • University of Rijeka

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Table 2

3.2. Course description

Basic description				
Course coordinator	Doc. dr. sc. Gordana Brumini			
Course title	Medical informatics			
Study programme	Clinical nutrition graduated study			
Course status	compulsory			
Year	First			
ECTS credits and teaching	ECTS student 's workload coefficient	2,5		
	Number of hours (L+E+S)	6+10+4		
	-			
1 COURSE DESCRIPTION				

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1.1. Course objectives		
medical decision support, med	lical knowledge bases and medical knowledge	and using information technology in nursing i.e. owledge acquisition, database management; and to ortance in health care improvement and continuous
1.2. Course enrolment re	equirements	
-		
1.3. Expected course lea	rning outcomes	
nursing. Medical database ma	nagement. Knowledge on networking a ing systems. Knowledge and basic skil	information and communication technology in and medical knowledge acquisition. Competence in lls on useful and responsible usage of information and
1.4. Course content		
centered and institutional infor Medical knowledge bases and Decision support — predictive	mation systems. Biosignal and image I medical knowledge acquisition. Healt	d Classification. The electronic health record. Patient- processing and analysis. Database management. h information resources. Evidence based medicine. dels and computer modeling in health care. Security,
1.5. Teaching methods	lectures I seminars and workshops Exercises I long distance education I fieldwork	 ☑ individual assignment ☑ multimedia and network ☐ laboratories ☐ mentorship ☐ other
1.6. Comments		
1.7. Student's obligations	3	
- class attendance - to prepare seminar pa	aper and to present it in public	



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1.8. Evaluation of student's work

Course attendance	11	Activity/Participation		Seminar paper	16	Experimental work	
Written exam	30	Oral exam		Essay		Research	
Project		Sustained knowledge check	43	Report		Practice	
Portfolio							

1.9. Assessment and evaluation of student's work during classes and on final exam

Students are continually evaluated (seminars and exercises) and during the course they can collect 70% of the whole amount of ECTS points (exercises, seminars, presentation of seminar). During the final exam student can collect 30% of course ECTS points.

1.10. Assigned reading (at the time of the submission of study programme proposal)

Kern J; Petrovečki M (ed.). Medicinska informatika. Zagreb: Medicinska naklada, 2009.

- 1.11. Optional / additional reading (at the time of proposing study programme)
- 1. Bemell JH, Musen MA. Hanbook of Medical Informatics. Houten/Diegem Springer, 1997.
- 2. Coiera E. Guide to Health Informatics. Arnold publishers; 2003.
- 3. Shortlliffe EH, Perreault LE (ed.). Medical informatics Computer Applications in Health Care and Biomedicine. Springer, 2001.
- 4. Selected chapters written by teachers presented on Departments' web pages (http://mi.medri.hr)
- 1.12. Number of assigned reading copies with regard to the number of students currently attending the course

Title	Number of copies	Number of students
Kern J; Petrovečki M (ed.). Medicinska informatika. Zagreb: Medicinska naklada, 2009.	30	30

1.13. Quality monitoring methods which ensure acquirement of output knowledge, skills and competences

Student's knowledge, skills and competencies are continually evaluated during the course of Medical informatics. Evaluation system is implemented through the grade points. Students can collect a maximum of 100 grade points (70 during classes and 30 on the final exam) during the course.

The course consists of 10 hours of seminars (max. 24 points) and 10 hours of exercises (max. 35 points). Maximum of 11 points is possible to collect for class attendance. At least 40 points must be collected to earn the right to access the final exam.

Final exam is formed as written test. It consists of 15 questions, a total of 30 grade points. Student will pass the exam if he answers correctly to at least 8 questions e.g. collected 16 grade points.

Grade points achieved in the class and at the exam are combined and they form final grade.