Study program: Integrated academic studies in dentistry

Type and level of the study program: integrated academic studies

Course title: MEDICAL INFORMATICS (DII-MINF)

Teacher: Mašulović M. Dragan

Course status: elective

ECTS Credits: 3

Condition: -

Course aim

The main goal of medical informatics education is the introduction to the scientific information, information systems and information technology used in medicine and healthcare.

Expected outcome of the course:

Introducing students: with scientific information, information systems in health and medicine, the application of information technology in medicine, with advances in information technology - applicable in medicine and health, with databases and electronic resources.

Training students: to include the specific information systems in health care; to independently use the Internet, to independent database searching and electronic information sources and literature in electronic form, to use certain programs for writing and seminar presentation, professional and scientific papers.

Course description

Theoretical education

1. Health information system
2. Scientific information
3. Biomedical informatics research
4. Biomedical scientific information
5. Application of information technology for creating and searching databases and Knowledge Base
6. Electronic services COBISS KoBSON, GOOGLE
7. Internet
8. Application of information technology in medicine and health

Practical education: exercises, other forms of education, research related activities

1. Fundamentals of computer techniques
2. Information Systems
3. Find and search electronic resources
4. Searching bibliographic databases of abstract index
5. Search COBISS information services, Library Publications and Google,
6. Search full-text databases - electronic journals, monographs
7. Internet
8. Finding literature
9. Preparation of papers presentation in Power Point
10. Seminar paper

Literature

Compulsory

1. Trockel FG. Lecture Notes in Medical Informatics, Springer-Verlag.
2. Journal: *International Journal of Medical Informatics i Methods in Medical Informatics*
3. Internet sources

Additional -

Number of active classes				Other:
Lectures: 30	Practice: 15	Other types of teaching:	Research related activities:	

Teaching methods

Lectures. Practical work in the computer classroom. Presentation of information systems and electronic bibliographic, index and full text databases. Online searching of databases and electronic resources.

Student activity assessment (maximally 100 points)

Pre-exam activities	**points**	**Final exam**	**points**
Lectures	10	Written	
Practices	10	Oral	30
Colloquium	20	.....	
Essay	20		