



Course Regime

Course: E-education and e-learning materials in medicine

Study Programme: Medicine, Dental Medicine

Year of the Course: 1, 2

Semester: Summer

Course type: Elective

Number of ECTS credits: 3

Lecturer: prof. dr. Maja Pohar Perme

Participating Organisational Units (Departments and Institutes): Institute for biostatistics and medical informatics

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A. General part (*applies to compulsory and elective courses*)

1. Course objectives

At this course students learn about the possibilities for improvement of teaching and learning in medicine given by the information tools and they actively participate in the development of web learning materials.

The course combines theory about the characteristics of IT tools and materials made for e-teaching and e-learning, ways of learning in the e-environment and standards in this area, with practical work, in which students develop such materials. Because at least a superficial knowledge of a specific area in which e-learning materials are developed is needed, students focus only on the fields of medicine, encountered in their 1st or 2nd year of studies. Teachers from the chosen fields of medicine ("domain teachers") play also an important role because they guide students into appropriate themes and control the quality and usefulness of developed e-learning materials.

The main objective of the course is to foster students' understanding of the role of information technology in education and actively involve students in the development of e-learning materials. By fulfilling this objective we educate students into more active participants in the academic education and deepen their knowledge both in the field of informatics, as well as those fields of medicine, in which they develop e-learning materials. Quality materials will also contribute to the study effectiveness of other colleagues who do not participate in this elective course. The course educates students into competent team members, capable of co-operation in a team with classmates, domain teachers and IT professionals.

2. Comprehensive outline of the course organisation

Prior to the execution of the course, an agreement with domain teachers in the selected pre-clinical field is required. These teachers prepare material that students convert and upgrade to e-material. Students are also introduced to the practical aspects of working with the Online Classroom of the Faculty of Medicine, especially the procedures for constructing courses, questions, tests and dynamic lessons.

The course is conducted during the summer semester, with alternating lectures and practical work. The lectures are aimed at introducing problems, studying existing academic collections of modules for e-education in medicine, and developing ideas about possible study materials in selected professional fields. The practical part is introduced by the preparation of work plans, which takes the form of group seminars, followed by the production of successive versions of materials, their presentation, group constructive discussion and the formation of new ideas.

1. Description of on-going assessment of knowledge and skills

In the form of seminar work, students propose the structure and content of future e-materials, and in the form of group work, they check the status of consecutive e-material versions prepared by colleagues.

3. Required conditions for the final examination (Course Exam)

A condition for the final examination is a sufficient attendance at the course and a positive assessment of the seminar paper.

4. Final assessment and examination of knowledge and skills (Course Exam)

The final assessment is not in the form of an exam but it assesses all forms of participation in the course. The assessment consists of the assessment of a seminar paper and the

evaluation of e-materials produced by the student during the course, including the performance of tests and lessons that he/she developed together with colleagues.

5. Other provisions

For the participation at the course and reaching the final grade no special equipment is needed other than computers in the computer room.

B. Elective Courses (*considered as Elective Course Announcement*)

1. Participating main and guest lecturers

dr. Jure Dimec, dr. Brane Leskošek, prof. dr. Maja Pohar Perme

2. Estimated time period in the semester

1st half of the summer semester

3. Maximum number of students for the elective course (if the number of students able to attend the course is limited)

4. Elective course is taught in Slovene