



**Course: Clinical skills I**

**Course Coordinators: Assist. Prof. Zlatko Čubranić, MD; Prof. Goran Poropat, MD**

**Study program: Integrated Undergraduate and Graduate University Study of Medicine in English**

**Study year: 6th year**

**Academic year: 2022/2023**

### **SYLLABUS**

Course description (a brief description of the course, general instructions, where and in what form the lessons are organized, necessary equipment, instructions for attendance and preparation for classes, student obligations, etc.):

Clinical skills I is a compulsory course in the sixth year of the study of Medicine in English. It includes 70 hours of practice (4 ECTS).

**The aim of the course:** The aim is to familiarize students with the usual and generally accepted protocol of diagnostic and treatment approach to hospitalized patients with the intention to achieve high levels of clinical competencies, which are crucial for an independent and reliable clinical practice among students.

Students will stay and participate in the work of clinical hospital centers that are teaching bases of the Faculty of Medicine Rijeka, as well as general and specialized hospitals that are not teaching bases of the Faculty of Medicine, with which the faculty will conclude a one-time agreement with the aim of supervising and training the students. The goal is to acquaint students with the work and organization of specific clinics, which includes the organization and implementation of hospital admission (patient examination, indications for hospitalization), daily work routine and organization of different departments (patients rounds, familiarization with routine work of doctors and nurses, pre- and postoperative patient management, indications for specific diagnostic procedures, defining medical treatment and assessing outcomes, managing medical documentation), and organization of work at outpatient clinics (first and control examinations). Students will actively and under supervision participate in the diagnostic workup and treatment management of patients.

**Learning outcomes:** Apply the acquired knowledge and skills in everyday clinical work. Core competencies: to present the acquired knowledge from the fields of biomedical, clinical, and social sciences, and to apply that knowledge on patient care, as well as demonstrate communication skills that enable the student to establish a professional relationship with the patient.

Specific competencies: admission of patients to the hospital, medical history assessment, performing physical examination, evaluation of laboratory, imaging, and other diagnostic findings, independently and responsibly carrying out certain diagnostic and therapeutic procedures, assessing patients in emergency settings, assessing patients in the settings of hospital wards, outpatient clinics and intensive care units.

**Course structure:** The course is organized through 70 hours of practice, which are distributed continuously through 2 weeks. The course is based on the students' active participation in a mentored work at specific departments and clinics in the hospital.

### Course schedule

DATE	TIME
MON 29.05.2023.	P1-7 (08:00-13:45; break 30 min)
TUE 30.05.2023.	P8-14 (08:00-13:45; break 30 min)
WED 31.5.2023.	P15-21 (08:00-13:45; break 30 min)
THU 01.06.2023.	P22-28 (08:00-13:45; break 30 min)
FRI 02.06.2023.	P29-35 (08:00-13:45; break 30 min)
MON 05.06.2023.	P36-42 (08:00-13:45; break 30 min)
TUE 06.06.2023.	P43-49 (08:00-13:45; break 30 min)
WED 07.06.2023.	P50-56 (08:00-13:45; break 30 min)
THU 08.06.2023.	P57-63 (08:00-13:45; break 30 min)
FRI 09.06.2023.	P64-70 (08:00-13:45; break 30 min)

**List of workplaces where classes are held:**

Department of Gastroenterology (4 students)

Department of Hematology (3 students)

Department of Endocrinology (2 students)

Clinic for Cardiovascular Diseases (6 students)

Department of Pulmonology (4 students)

Department of Nephrology (2 students)

Department of Rheumatology and Clinical Immunology (2 students)

**List of clinical skills:**

- Cardiopulmonary resuscitation (CPR) (assessment of patient, assessment of consciousness, breathing and circulation, applying CPR, medication administration)
- Treatment of patients in the intensive care unit
- Assessment of patient's medical history
- Anthropometric measurements
- Complete physical examination
- Blood pressure measurement
- Arterial pulse assessment
- Jugular venous pulse – assessment and interpretation
- Assessment of breathing function – types of breathing
- Palpation of lymph nodes
- Assessment and description of cyanosis
- Description of skin changes
- Taking body temperature
- Assessment of body constitution
- Diagnostic and therapeutic procedures: venous blood sampling, intravenous system placement, arterial blood sampling, intraarterial route placement, administration of injections (intravenous, intramuscular, subcutaneous routes), smear sampling, urine sampling, abdominal paracentesis, pleural effusion puncture and evacuation
- Urinary catheter placement
- Nasogastric tube placement
- Oropharyngeal tube placement
- Interpretation of laboratory findings
- ECG recording and interpretation
- 24-hour ECG monitoring
- 24-hour blood pressure monitoring
- Temporary pacemaker placement and adjustment