



UNIwersytet
Andrzeja Frycza Modrzewskiego
w Krakowie

Collegium Medicum Faculty of Medicine

SUBJECT CARD

Field of studies: Medicine

Form of studies: Full-time course

Degree: long-cycle Master's program

Specializations: No specialization

Academic year: 2024/2025

Clinical Medicine	
SUBJECT NAME	Clinical Medicine
NUMBER OF ECTS POINTS:	12
LANGUAGE OF INSTRUCTION	English
TEACHER(S)	Prof. dr hab. Ryszard Czepko Prof. dr hab. Jacek Pietrzyk Prof. dr hab. Maria Chomyszyn-Gajewska dr. hab. Dariusz Plicner, Prof. UAFM dr hab. Bogdan Batko, Prof. UAFM dr hab. Agata Bałdys-Waligórska, Prof. UAFM dr hab. Katarzyna Czerwińska-Jelonkiewicz, Prof. UAFM hab. Iwon Grys, Prof. UAFM dr hab. Ryszard Gajdosz, Prof. UAFM dr hab. Wojciech Wysocki, Prof. UAFM dr hab. Zbigniew Żuber, Prof. UAFM dr Anna Mokrzycka dr Krzysztof Mawlichanów dr Łukasz Cichocki dr Joanna Sowizdraniuk dr Marcin Oplawski

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	dr Marcin Hetnał dr Piotr Klimeczek dr Tomasz Kowalczyk dr Paulina Kaczmarska dr Natalia Grabska dr Tomasz Gawlikowski dr Anna Pełkowska dr Anna Rzucidło-Hymczak dr Piotr Maciukiewicz dr Anna Krztoń-Królewiecka lek. Violetta Kocurek lek. Bożena Burzyńska mgr Łukasz Haber mgr Edyta Turkanik lek. Mateusz Dzielski lek. Julia Duda lek. Agnieszka Stąpór, mgr Bogumiła Drabik lek. Rafał Robak
PERSON RESPONSIBLE	dr. hab. Dariusz Plicner, Prof. UAFM
NUMBER OF HOURS:	
LECTURES:	75 hrs
SEMINARS:	135 hrs
PRACTICAL CLASSES:	30 hrs
GENERAL OBJECTIVES	
GOAL 1:	Reviewing the knowledge acquired so far regarding the most important diseases of adults and children from the perspective of 3 thematic blocks: I. Life-threatening conditions, II. The most common chronic diseases, III. Pain as a medical problem
GOAL 2:	Reminder and improvement of clinical skills practiced in simulated conditions
LEARNING OUTCOMES	
MK1	Knowledge: The student knows the most common life-threatening conditions in adults and children

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MK2	The student Knows and understands the causes, symptoms, principles of diagnosis and treatment of the most common internal diseases in adults
MK3	The student knows the principles of recognizing and differentiating diseases whose primary symptom is pain
MK4	The student knows the principles of pain management, including cancer and chronic pain
MS1:	Skills: The student can demonstrate on the phantom: -assisted and back-up ventilation
MS2:	-opening the airway and inserting the oropharyngeal tube
MS3:	- advanced resuscitation procedures in adults and children in various age groups
MS4:	-bladder catheterization in women and men
MS5:	-breast examination and rectal examination
MS6:	The student identifies lung and heart sounds on the simulator
MS7:	The student interprets the results of additional tests
MS8:	The student assists with pleural puncture, peritoneal cavity puncture, medullary puncture in simulated conditions
MC1:	Social Competences:
MC2:	Social competence: The student can work in a team

INTRODUCTORY REQUIREMENTS

Possession of basic knowledge in the field of internal medicine, pediatrics, surgery, as well as obstetrics and gynecology, confirmed by exams in subjects covering these disciplines

COURSE PROGRAM	DESCRIPTION
LECTURE 1:	Selected issues in the field of public health
LECTURE 2:	Selected issues in the field of jurisprudence and medical law
LECTURE 3:	Selected issues in the field of psychiatry
LECTURE 4:	Selected issues in the field of emergency medicine
LECTURE 5:	Selected issues in the field of anesthesiology and intensive care
LECTURE 6:	Selected issues in the field of gynecology and obstetrics
LECTURE 7:	Selected issues in the field of general pediatrics

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LECTURE 8:	Selected issues in the field of neonatology
LECTURE 9:	Selected issues in the field of family medicine
LECTURE 10:	Selected issues in the field of oncology
LECTURE 11:	Selected issues in the field of cardiology
LECTURE 12:	Selected issues in the field of gastrology
LECTURE 13:	Selected issues in the field of pulmonology
LECTURE 14:	Selected issues in the field of imaging diagnostics
LECTURE 15:	Selected issues in the field of surgery
Life threatening conditions (winter semester)	
SEMINAR 1	Acute cardiac conditions
SEMINAR 2	Another topic in cardiology
SEMINAR 3	Acute abdomen
SEMINAR 4	Multi-organ injuries
SEMINAR 5	Acute conditions in endocrinology
SEMINAR 6	Emergencies in gynecology
SEMINAR 7	Perinatal hemorrhage
SEMINAR 8	Acute conditions in neurology
SEMINAR 9	Craniocerebral injuries
SEMINAR 10	Acute airway obstruction
SEMINAR 11	Multi-organ injuries in pediatrics

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SEMINAR 12	Poisoning: mushrooms, drugs, boosters
SEMINAR 13	Viper bite, animal bite
Most frequent chronic diseases (Winter semester)	
SEMINAR 1	Hypertension
SEMINAR 2	Ischemic heart disease
SEMINAR 3	Heart defects
SEMINAR 4	Ca and P metabolism
SEMINAR 5	Diabetes type II and obesity
SEMINAR 6	Thyroid function disorders
SEMINAR 7	Malignant tumors
SEMINAR 8	Motor organs diseases
SEMINAR 9	Asthma
SEMINAR 10	COPD
SEMINAR 11	Alergies (plus anaphylactic shock)
SEMINAR 12	AIDS
SEMINAR 13	Chronic liver disease
DIDACTIC METHODS (APPLIED)	DESCRIPTION
SEMINAR 14	Chronic kidney diseases
SEMINAR 15	Selected topics from psychiatry

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SEMINAR 16	Diabetic polyneuropathy
Topics selected by students (Summer semester)	
LECTURE 1	Disturbances of electrolyte management and its compensation. Principles of fluid therapy. Disturbances of acid-base balance.
LECTURE 2	Acute kidney damage
LECTURE 3	Acute management of shock in patients with renal failure
LECTURE 4	Anaphylaxis and anaphylactic shock. Sepsis and septic shock.
LECTURE 5	Rational antibiotic therapy
LECTURE 6	Protective vaccinations and principles of vaccination coadministration
LECTURE 7	Practical foundations of Oncohematology
LECTURE 8	Urinary system neoplasms
LECTURE 9	Respiratory neoplasms
LECTURE 10	Non-specific inflammatory bowel diseases
LECTURE 11	Allergic dermatology
LECTURE 12	Dealing with a patient with suicidal tendencies
LECTURE 13	Medical certification for the needs of social insurance
Pain as a medical problem (Summer semester)	
SEMINAR 1	Pain associated with changes in the vertebral column
SEMINAR 2	Inflammatory pain in the back
SEMINAR 3	Arthralgia
SEMINAR 4	Muscle pain, Fibromyalgia
SEMINAR 5	Pain in neurology
SEMINAR 6	Headaches
SEMINAR 7	Angina pectoris
SEMINAR 8	Herpes zoster
SEMINAR 9	Pain in oncology

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SEMINAR 10	Cholelithiasis and acute pancreatitis
SEMINAR 11	Ischemic pains of the lower limbs and diabetic foot
SEMINAR 12	Nephrolithiasis
SEMINAR 13	Gastric and duodenal ulcer
SEMINAR 14	Abdominal pain due to reasons other than peptic ulcer disease
SEMINAR 15	Pain in gynecology
SEMINAR 16	Craniofacial pain
Practical clinical skills (Summer semestr) - Classes in the Simulation Center	
CLASS 1	Heart tones and murmurs. EKG
CLASS 2	Lung murmurs
CLASS 3	Surgical skills- bladder catheterization
CLASS 4	Surgical skills – suturing
CLASS 5	Cardiac arrhythmias in adults. Cardioversion.
CLASS 6	Loss of consciousness (ketoacidosis, hyperglycemia, status epilepticus)
CLASS 7	ALS/BLS
CLASS 8	Physiological/pathological delivery
DIDACTIC METHODS (APPLIED)	DESCRIPTION
	Lecture Multimedia presentation Discussion Case study Low and intermediate fidelity simulation High fidelity simulation
STUDENTS WORKLOAD:	
CONTACT HOURS WITH THE ACADEMIC TEACHER	210 h
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	Preparation for classes: 100 h Preparation for the exam: 50 h
TOTAL NUMBER OF HOURS FOR THE COURSE	360 h
CONDITIONS FOR COURSE COMPLETION	

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The student is obliged to attend all classes, prepare for seminars and actively participate in them

METHODS OF ASSESMENT:

IN TERMS OF KNOWLEDGE:	The student's knowledge is checked on an ongoing basis during discussion on seminars
IN TERMS OF SKILLS:	Observation during classes in the Simulation Center. OSCE exam at the end of the year.
IN TERMS OF SOCIAL COMPETENCE:	As above
FORMATIVE:	N.A.
SUMMATIVE (I & II)	<p>Assessment of knowledge including specialties covered by the Practical Clinical Training is carried out through two consecutive theoretical exams: an MCQ exam and an oral exam. The MCQ exam consists of 150 questions with 4 answer options, and one correct answer and covers the basics of all mandatory specialties included in Practical Clinical Training. The passing level is set at 55% of correct answers. The oral exam consists of 5 questions and includes case studies in the field of internal medicine, pediatrics, surgery and gynecology with obstetrics. Answers to questions are scored on a scale of 0-3. The condition for passing the oral exam is obtaining at least 8 points.</p> <p>The summative assessment of practical skills has a form of Objective Structured Clinical Exam, which consists of 10 stations, including two with double tasks. Each of the stations is assessed according to its own criteria, and passing the entire exam requires passing of at least 8 stations, with the absolute requirement to pass the station testing skills in ALS.</p>

GRADING SCALE

Passing the final exam requires obtaining positive grades in all three components: test, oral and practical. The final grade in the subject is calculated on the basis of the average of the grades from the three components of the exam. The calculated average grade is rounded in accordance with the following rule: • up to 3.25 - sufficient, • 3.26 to 3.75 - a sufficient plus, • 3.76 to 4.25 - good, • 4.26 to 4.50 - good plus, • from 4.51 - very good

MCQ exam – grading scale

3,0 (Satisfactory)	55 -63% of the correct answers.
3,5 (Satisfactory plus)	64-72% of the correct answers.
4,0 (Good)	73-81% of the correct answers.
4,5 (Good plus)	82-90% of the correct answers.

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5,0 (Very Good)

≥91% of the correct answers.

Oral exam – grading scale

GRADE 3,0	8-9 points
GRADE 3,5	10 points
GRADE 4,0	11-12 points
GRADE 4,5	13 points
GRADE 5,0	14-15 points

OSCE — grading scale

GRADE 3,0	Completing 8 stations (including ALS) and getting a total of 66-70% of the possible points awarded at the stations
GRADE 3,5	Completing 8 stations (including ALS) and getting a total of 71- 75% of the possible points awarded at the stations
GRADE 4,0	Completing 8 stations (including ALS) and getting a total of 76- 80% of the possible points awarded at the stations
GRADE 4,5	Completing 8 stations (including ALS) and getting a total of 81- 85% of the possible points awarded at the stations
GRADE 5,0	Completing 8 stations (including ALS) and getting a total of 86% or more of the possible points awarded at stations

BASIC LITERATURE

As stated in the Course Cards for: Pharmacology, Introduction to Clinical Diagnostics, Pulmonology, Cardiology, Infectious Diseases, Dermatology, Gastroenterology, Kidney Diseases and Urology, Clinical Immunology, Endocrinology, Hematology, Pediatrics, Musculoskeletal Diseases, Geriatrics, Surgery, Obstetrics , Women's diseases, Psychiatry

SUPPLEMENTARY LITERATURE