



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

GERIATRICS	
<b>SUBJECT NAME</b>	Geriatrics
<b>NUMBER OF ECTS POINTS:</b>	3
<b>LANGUAGE OF INSTRUCTION</b>	English
<b>TEACHER(S)</b>	Krzysztof Czarnobilski, MD, PhD
<b>PERSON RESPONSIBLE</b>	Krzysztof Czarnobilski, MD, PhD
NUMBER OF HOURS:	
<b>LECTURES:</b>	10 h
<b>CLASSES:</b>	20 h
<b>SEMINARS:</b>	15 h
GENERAL OBJECTIVES	
<b>OBJECTIVE 1:</b>	Gain knowledge about the aging processes and their physiological consequences.
<b>OBJECTIVE 2:</b>	Learning the specifics of the course and treatment of diseases in the elderly.
LEARNING OUTCOMES	
<b>MK1</b>	<b>Knowledge:</b> Student can describe the mechanisms of aging and the influence of this process on human physiology.

## GERIATRICS

<b>MK2</b>	<b>Knowledge:</b> Student lists and describes basic geriatric syndromes and can discuss methods of dealing with these cases.
<b>MK3</b>	<b>Knowledge:</b> Student is able to discuss the differences in the treatment of cardiovascular, digestive, respiratory, genitourinary, endocrine, respiratory, nervous, movement, hematopoietic, metabolic disorders and skin diseases in the elderly.
<b>MS1:</b>	<b>Skills:</b> Student can properly perform medical examination of an elderly patient. takes into consideration physiology and the course of diseases in elderly.
<b>MS2:</b>	<b>Skills:</b> Student correctly performs a comprehensive geriatric assessment and is able to draw conclusions from the results obtained.
<b>MS3:</b>	<b>Skills:</b> Student takes into consideration the socio-economic conditions of an elderly patient.
<b>MC1:</b>	<b>Social competency:</b> Student can establish respectful contact with patients, exhibits understanding and patience.

## INTRODUCTORY REQUIREMENTS

**The student is able to:**

- properly conduct a medical examination make a preliminary diagnosis and plan diagnostics in the field of internal diseases, neurology, orthopedics, dermatology and psychiatry;
- plan optimal therapy in the field of internal diseases, neurology, orthopedics, dermatology and psychiatry;
- modify the treatment and plan additional diagnostic and specialist consultations;
- indications for further hospitalization or discharge of the patient with recommendations for further therapy and outpatient control procedures in the field of internal diseases, neurology, orthopedics, dermatology and psychiatry.

**The student is able to** properly conduct a subjective and physical examination, and make a preliminary diagnosis and plan diagnostics in the field of internal diseases, neurology, orthopedics, dermatology and psychiatry define indications for further hospitalization or discharge of the patient with form recommendations regarding further therapy and outpatient control.

### COURSE PROGRAM

### DESCRIPTION

<b>LECTURE 1:</b>	Geriatric care in Poland and the European Union; physiology and pathology of the elderly.
<b>LECTURE 2:</b>	Basic geriatric syndromes with use of comprehensive geriatric evaluation part 1.
<b>LECTURE 3:</b>	Basic geriatric syndromes with use of comprehensive geriatric evaluation part 2.

<b>GERIATRICS</b>	
<b>LECTURE 4:</b>	Dementia and depression.
<b>LECTURE 5:</b>	Selected neurological diseases in geriatrics.
<b>CLASS 1</b>	Examination and planning of optimal treatment of patients with basic geriatric problems.
<b>CLASS 2</b>	Performing a comprehensive geriatric evaluation. Analysis of the obtained results.
<b>CLASS 3</b>	Examination and planning of optimal treatment of elderly patients with cardiovascular, digestive and endocrine system diseases.
<b>CLASS 4</b>	Examination and planning of optimal treatment of elderly patients with diseases of the respiratory, hematopoietic and urinary systems and orthopedic diseases.
<b>CLASS 5</b>	Case study of patients with multimorbidity in terms of polypharmacy, correct modification of treatment.
<b>SEMINAR 1</b>	Cardiovascular diseases in the elderly part 1; case study.
<b>SEMINAR 2</b>	Cardiovascular diseases in the elderly part 2; case study.
<b>SEMINAR 3</b>	Diseases of the respiratory system in the elderly; case study.
<b>SEMINAR 4</b>	Diseases of the digestive system in the elderly and gastrointestinal bleeding; case study
<b>SEMINAR 5</b>	Diseases of the metabolic and endocrine systems in the elderly; case study.
<b>SEMINAR 6</b>	Diseases of the hematopoietic system in the elderly; case study.
<b>SEMINAR 7</b>	Psychiatric disorders in old age (delirium, dementia, depression); case study.
<b>SEMINAR 8</b>	Electrolyte disturbances, dehydration and urinary tract infections.
<b>DIDACTIC METHODS (APPLIED)</b>	<b>DESCRIPTION</b>

## GERIATRICS

Lectures;  
 Bedside teaching;  
 Discussion;  
 Case study;  
 Work in groups.

### STUDENTS WORKLOAD:

<b>CONTACT HOURS WITH THE ACADEMIC TEACHER</b>	45 hours
<b>HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER</b>	Preparation for classes: 10 hours Preparation of medical history: 5 hours Preparation for the exam: 20 hours
<b>TOTAL NUMBER OF HOURS FOR THE COURSE</b>	80 hours

### CONDITIONS FOR COURSE COMPLETION

Attendance at all lectures, classes and seminars is obligatory.  
 The condition for admission to the exam is passing the classes and/or seminars.  
 Obtaining a positive mark on the test exam (50 questions).

### METHODS OF ASSESSMENT:

IN TERMS OF KNOWLEDGE:	Exam (50 test questions).
IN TERMS OF SKILLS:	Activity on the classes. Assessment based on the Clinical Skills Card.
IN TERMS OF SOCIAL COMPETENCE:	Observation of the student's behavior towards patients and colleagues.
FORMATIVE:	Discussion during classes and seminars.
SUMMATIVE (I & II)	<b>I term (EXAM):</b> Test (50 questions).  <b>II term (RETAKE EXAM):</b> 50-question test or an oral exam in the form of answers to 4 questions, depending on the number of examined persons.

### GRADING SCALE

3,0 (Satisfactory)	<b>60% - 67%</b> of correct answers
3,5 (Satisfactory plus)	<b>68% - 74%</b> of correct answers

## GERIATRICS

4,0 (Good)	<b>75% - 81%</b> of correct answers
4,5 (Good plus)	<b>82% - 89%</b> of correct answers
5,0 (Very Good)	<b>90% - 100%</b> of correct answers

## BASIC LITERATURE

[1] Merck Manual of Geriatrics (online).

## SUPPLEMENTARY LITERATURE

[1] Michel JP, Beattie BL, Martin FC, Walston J. Oxford Textbook of Geriatric Medicine, Third Edition. Oxford, 2017.