



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN  
Faculty of Medicine

## Course syllabus – part A

USOS Code: 48SJO-PBL34

ECTS: 1.00

Cycle: 2026

## Problem Based Learning 3/4 Problem Based Learning 3/4

### SUBJECT MATTER CONTENT:

**Classes** – Analysis of 12 cases of basic internal medicine diseases in the following areas: diseases of the circulatory system, respiratory system, digestive system, endocrine system, genitourinary system, hematopoietic system, clinical symptoms, pathophysiology, laboratory and imaging diagnostics, differential diagnosis and management

### TEACHING OBJECTIVE:

Knows theoretical and practical background of internal diseases due to with laboratory tests. Knows and under stand newest literature

**DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY**

**Symbols for outcomes related to the discipline:**

**Symbols for outcomes related to the field of study:**

E.W7.+, E.W40.+, B.W1.+, B.W20.+, B.W22.+, B.W2.+, B.W26.+, KA7\_WG3+

### LEARNING OUTCOMES:

**Knowledge (W1)** – The student knows and understands the causes, symptoms, principles of diagnosis and therapeutic procedure in relation to the most common internal diseases occurring in adults, and their complications

**Knowledge (W2)** – The student knows and understands the possibilities and limitations of laboratory tests.

**Knowledge (W3)** – The student knows and understands water and electrolyte management in biological systems.

**Knowledge (W4)** – The student knows an understand the functions and mechanisms of regulation of all organs and systems of the human body including the circulatory, respiratory, digestive, urinary and cutaneous systems, and understands the relationships existing between them

**Legal acts specifying learning outcomes:**  
467/2024;

**Discipline:** Medicine

**Course status:** Obligatory

**Group of courses:** B - major course

**ISCED Code:** 0912

**Field of studies:** Medicine

**Field:** Medicine

**Learning profile:** -

**Form of studies:** full-time

**Level of studies:** uniform master's studies

**Year/Semester:** 3rd year, Medicine in English

**Classes types:** Classes;

**Classes:** Classes (24h);

**Language:** ANG

**Introductory subject:** anatomy, physiology, histology, biochemistry

**Prerequisites:** basic knowledge from anatomy, physiology, histology, biochemistry

**Organized by the unit:**

**Coordinators responsible for the course:**

Beata Moczulska, beata.moczulska@uwm.edu.pl

**Additional notes:**

**Knowledge (W5)** – The student knows and understands the basic quantitative parameters describing the performance of individual systems and organs, including the norm ranges and demographic factors influencing the value of these parameters

**Knowledge (W6)** – The student know and understand the acid-base balance and the buffer action mechanism, and their significance in systemic homeostasis

**Knowledge (W7)** – The student knows and understands the principles of conducting scientific research for the development of medicine.

**Knowledge (W8)** – The student knows and understands the diagnostic and therapeutic procedures appropriate for specific disease states.

**Skills (U1)** – The student can carried differential diagnostic of the most common diseases in adults

**Skills (U2)** – The student can recognize and describe pathomechanisms of most comon diseases based on selected systems and organs

**Skills (U3)** – The student can plans diagnostic therapeutic and prophylactic process

**Social competences (K1)** – The student is ready to be guided by the good of the patient

**Social competences (K2)** – The student is ready to see and recognize his / her own limitations and make a self-assessment of deficits and educational need

**Social competences (K3)** – The student can inspired, to be a leader and work in the team

**Symbols for outcomes related to the field of study:**

**Classes** – ['K1', 'K2', 'K3', 'U1', 'U2', 'U3', 'W1', 'W2', 'W3', 'W4', 'W5', 'W6', 'W7', 'W8'] – Practical classes - active discussion ( brain storm)

**FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:**

**Classes (Part in the discussion)** – ['K1', 'K2', 'K3', 'U1', 'U2', 'U3', 'W1', 'W2', 'W3', 'W4', 'W5', 'W6', 'W7', 'W8'] – Part in the discussion - Evaluation of the work and cooperation in group 1 - presence on classes, active participation in discussions , knowledge basic issues and reliability and professionalism ( brain storm)

**REQUIRED LITERATURE:**

**1. The Only EKG Book You'll Ever Need**

Malcolm S. Thaler; Wolters Kluwer; 2026; Pages: -;  
Tome: -;

**2. McMaster Textbook of Internal Medicine**

Collective work; Medycyna Praktyczna; 2019/20; Pages: -;  
Tome: -;

### **3. Basics of Clinical Examination**

Edited by P. Zaborowski, K. Tytman, B. Moczulska, M. Kubiak, L. Gromadziński; Medi Page; 2016; Pages: -;  
Tome: -;

#### **COMPLIMENTARY LITERATURE:**



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN  
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**Detailed description of ECTS credits awarded - part B**

**USOS Code:** 48SJO-PBL34

**ECTS:** 1.00

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Problem Based Learning 3/4

Problem Based Learning 3/4

1. Contact hours with the academic teacher:

|                             |             |
|-----------------------------|-------------|
| - participation in: Classes | 24 h        |
| - consultation              | 2 h         |
|                             | Total: 26 h |

Independent work of a student:

Total: 0 h

contact hours + independent work of a student Total: 26 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS

ECTS Points = 26 h : 25 h/ECTS = 1.00 ECTS

**Average:** 1.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 1.00 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 0.00 ECTS pts