



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course syllabus – part A

Course code: 48SJ-INM48

Cycle: 2025L

ECTS: 3.00

INTERNAL MEDICINE 4/8

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SUBJECT MATTER CONTENT:

Classes - Acute kidney injury. Urinary tract infections. Chronic kidney disease. Clinical presentation and complications. Hemodialysis. Dialysis access. Water purification for dialysis. How artificial kidney works – biophysical and technical principles of hemodialysis. Infectious and non-infectious complications of dialysis. Peritoneal dialysis. Dialysis access. Outcome and long-term results. How peritoneal dialysis compares to hemodialysis. Dialysis-related peritonitis and other complications of peritoneal dialysis.

Lecture - Urinary tract infections. Kidneys in pregnancy Renal cysts and malignancies. Renal stone diseases

Seminar - Acute kidney injury (1.5 hrs) Autosomal dominant polycystic kidney disease (1.5 hrs)

TEACHING OBJECTIVE:

Etiology, pathophysiology, epidemiology, diagnosis and treatment of renal diseases (acute kidney injury, secondary glomerulonephritis, autosomal dominant polycystic kidney disease, secondary hypertension, resistant hypertension, tubulointerstitial nephritis, CKD, nephrolithiasis, kidney cysts, kidney tumors)

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:

Symbols for outcomes related to the field of study:

W1 - The student knows and understand environmental and epidemiological conditions of the most frequent diseases

U1 - The student can take medical interview with an adult patient

K1 - The student is ready to establish and maintain a deep and respectful contact with the patient, as well as show understanding for worldview and cultural differences

Symbols for outcomes related to the field of study:

Legal acts specifying learning outcomes:
672/2020;

ISCED Code: -

Status: -

Group of courses: -

Discipline: Medicine

Language: ANG

Classes: Lecture (6h); Seminar (3h); Classes (25h);

Program: Medicine

Phase: Kierunek lekarski czwarty rok semestr ósmy (oferta w jęz. angielskim dla obcokrajowców)

Profile: -

Form: full-time

Level of studies: uniform master's studies

Introductory subject: anatomy, physiology, pathophysiology, internal medicine

Prerequisites: background of anatomy, physiology and pathophysiology, knowledge of to internal medicine sem. V, VI

Organized by the unit:

Coordinators:

Piotr Cygański, piotr.cyganski@uwm.edu.pl

Tomasz Stompór, tomasz.stomp@uwm.edu.pl

Classes - ['K1', 'U1', 'W1'] - Practical classes - Bedside teaching on nephrology

Lecture - ['W1'] - Lectures on nephrology. Multimedia presentation

Seminar - ['W1'] - Detailed aspects of nephrology

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Part in the discussion) - ['K1', 'U1', 'W1'] - Attendance and participation in lectures

Classes (Colloquium test) - ['K1', 'U1', 'W1'] - Nephrology test - 30 questions, pass threshold - 60%

Seminar (Part in the discussion) - ['K1', 'U1', 'W1'] - Active participation in seminars

Literature:

1. Clinical medicine, Kumar & Clarks; Kumar & Clarks Saunders – Elsevier; 2009; Pages: ; Tome: ; Required literature
2. Churchill Livingstone, Davidson's Principles & Practice of Medicine, Boone N.A., Colledge N.R; Elsevier; 2010; Pages: ; Tome: ; Required literature
3. Differential Diagnosis in Internal Medicine, Siegenthaler W.; Thieme; 2011; Pages: ; Tome: ; Required literature
4. Goldman's Cecil Medicine, Lee Goldman, MD and Andrew I. Schafer, MD; Saunders; 2012; Pages: ; Tome: ; Complimentary literature



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Detailed description of ECTS credits awarded - part B

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1. Contact hours with the academic teacher:

- participation in: Lecture	6 h
- participation in: Seminar	3 h
- participation in: Classes	25 h
- consultation	2 h
Total:	36 h

Independent work of a student:

- Student preparation for classes	39.00 h
Total:	39.00 h

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

ECTS Points = 75.00 h : 25 h/ECTS = 3.00 ECTS

Average: 3.00 ECTS

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

- including the number of ECTS credits for hours of independent work of a student - 1.56 ECTS pts