



Course syllabus – part A

Integrated and Interdisciplinary Training 4

48SJ-IIT47

2025L

ECTS: 1.00

SUBJECT MATTER CONTENT:

Classes

Laboratory diagnostics of:

- 1) gastrointestinal diseases
- 2) hematologic and coagulation diseases
- 3) urinary system diseases
- 4) cardiovascular diseases

TEACHING OBJECTIVE:

Students should be able to select appropriate tests for the diagnosis of organ disorders.

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:

M/NM++, M/NMA_P7S_KO+, M/NMA_P7S_KR+, M/NMA_P7S_UW+

Symbols for outcomes related to the field of study:

K.5.+, E.U24.+

LEARNING OUTCOMES (Knowledge, Skills, Social competence):

- W1** (E.W24). basic of early cancer detection and principles of screening in oncology; (E.W39.) types of biological materials used in laboratory diagnostics and principles of sampling for research; (E.W40.) theoretical and practical foundations of laboratory diagnostics; (E.W41.) possibilities and limitations of emergency laboratory tests;
- U1** (E.U24) interpret laboratory results and identify the causes of deviations from the reference values
- K1** K1 - (K.5.) perceiving and recognizing one's own limitations and self-assessing educational deficits and needs;

TEACHING FORMS AND METHODS:

Classes-['K1', 'U1', 'W1']-presentation

Legal acts specifying learning

outcomes: 672/2020 (Medicine),

Status of the course: None

Group of courses:None

Discipline: Medical Sciences

Classes:

Classes (12 h)

Step: Kierunek lekarski czwarty rok semestr siódmy (oferta w jęz. angielskim dla obcokrajowców)

Program: Medicine

Form of studies:full-time

Level of studies: uniform master's studies

Introductory subject: laboratory diagnostics, pathophysiology, physiology

Prerequisites: laboratory diagnostics, pathophysiology, physiology

Coordinators:

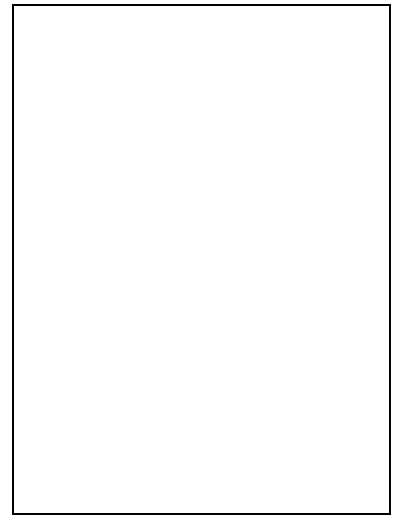
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FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Classes-(Competention test)-['K1', 'U1', 'W1']-single choice - 60% to pass

Literature:

1. ***A Manual of Laboratory and Diagnostic Tests***, Fischbach, Lippincott Williams Wilkins (LWW), 2017, Strony: -, Tom:- (literatura podstawowa)
2. ***Tietz's Applied Laboratory Medicine***, Tietz Norbert W., Wiley, 2007, Strony: , Tom: (literatura podstawowa)





Detailed description of ECTS credits awarded - part B
Integrated and Interdisciplinary Training 4

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2025L

ECTS: 1.00

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Classes	12 h
- consultation	2 h
Total:	14 h

2. Independent work of a student:

11.00 h
Total: 11.00 h

Total (contact hours + independent work of a student): 25.00 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS,
ECTS Points = 25.00 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	0.56 ECTS
- including the number of ECTS credits for hours of independent work of a student	0.44 ECTS