UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN

of Medicine

Course/module syllabus - part A

6148SJ-LDIAG
ECTS: 2
YEAR: 2019L

LABORATORY DIAGNOSTICS
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COURSE CONTENT
CLASSES

1. Specimen collection /systems/ 2. Urine as a diagnostic material 3. Full blood count, ESR /hematology/ 4. Diagnosis of coagulation system 5. Water and electrolyte balance and acid-base balance 6. Serology 7. The use of POCT devices and a description the organisation of cooperation between laboratory and specialist clinics or famili medicine clinic and dandling of FFS patients

LECTURES

1. Place of laboratory diagnostics in the diagnosis of patient. 2. Organisation of the diagnostic laboratory. 3. The types of diagnostic material. 4. Downloading of material. 5. Effects of changes in physiological conditions on the concentration of the analytes. 6. Causes of diagnostic errors and difficulties in interpreting the results. 7. Diagnosis of blood, urine, CSF, saliva.

EDUCATIONAL OBJECTIVE:

DESCRIPTION OF LEARNING OUTCOMES FOR THE COURSE IN RELATION TO FIELD AND MAJOR LEARNING OUTCOMES

Codes of learning outcomes in a major field of study:

Codes of learning outcomes in a major area of study: E.U24.+, E.U28.+, E.W37.+, E.W38.+, E.W39.+, K.4.+,

LEARNING OUTCOMES:

Knowledge

W1 - Student should know the basics of metabolism and homeostasis factors influencing the behavior of the system and understand the mechanisms that cause changes in concentration and activity of various parameters

Skills

U1 - Student should be able to interpret the results of laboratory tests, collect the material, implement correct diagnostic procedure and demonstrate the abillity to performance tests used by patients in ambulatory practice.

Social competence

K1 - Student is aware of his own limitations and has the ability to lifelong learning

BASIC LITERATURE

1) Hubbard J.D,, 1) Hubbard J.D, 2010r., "A conscise review of clinical laboratory science", wyd. Williams&Wilkins, 2) Stedman , 2005r., "Stedman's medical dictionary", wyd. Willimas &Wilkins, 3) Berkow C, 2005r., "The Merc manual of diagnosis and theraphy", wyd. Berkow., wyd. Williams&Wilkins, - ; 2) Stedman, Stedman's medical dictionary, wyd. Willimas &Wilkins, 2005 ; 3) Berkow C,, The Merc manual of diagnosis and theraphy, wyd. Berkow, 2005

SUPPLEMENTARY LITERATURE

Proszę uzupełnić literaturę uzupełniającą.

Course/module:
Laboratory Diagnostics

Fields of education:
Obszar nauk medycznych, nauk o zdrowiu i nauk o kulturze fizycznej

Course status:	mandatory
Course group:	A - przedmioty podstawowe
ECTS code:	12048-3-A
Field of study:	Medicine
Specialty area:	Medicine
Educational profile:	General academic
Form of study:	full-time
Level of study:	uniform master's studies
Year/semester:	3 / 6

Type of course:
Classes, Seminar, Lecture

Number of hours per semester/week:	Classes: 20, Seminar: 15, Lecture: 15

Teaching forms and methods

Classes(K1, U1) : practical classes , Seminar(K1, W1) : multimedial presentation , Lecture(K1, W1) : multimedial presentation

Form and terms of the verification results:

CLASSES: Colloquium practical - Practical examination - student demonstrates random skills acquired on exercise.(K1, U1, W1) ; CLASSES: Written test - Multiple matching test - before each class (material: the previous class). Passing threshold of 75%. (K1, U1, W1) ; SEMINAR: Prezentation - null(K1, U1, W1) ; LECTURE: Written exam - Written examination (multiple matching test) - 100 test questions (material: classes and lectures). Passing threshold of 75%.(K1, U1, W1)

Number of ECTS points:	2
Language of instruction:	English

Introductory courses:

Preliminary requirements:

Name of the organizational unit offering the course:
null,

Person in charge of the course:
mgr Anna Bieńkowska-Iwanik,

Course coordinators:

Notes:

Detailed description of the awarded ECTS points - part B

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The awarded number of ECTS points is composed of:

1. Contact hours with the academic teacher:

- participation in: classes	20 h.
- participation in: seminar	15 h.
- participation in: lecture	15 h.
- consultation	5 h.
	55 h.

2. Student's independent work:

0 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 55 h : 25 h/ECTS = 2,20 ECTS
on average: **2 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	2,20 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	-0,20 ECTS points,