Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C-Pat

Course title in Polish: Patologia
Course title in English: Pathology

1. Placement of the course within the study programme

1.1. Field of study	Medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's study
1.4. Profile of study	General academic
1.5. Course specification author	Piotr Lewitowicz MD, PhD
1.6. Contact	plewitowicz@ujk.edu.pl

2. Generał characteristics of the course

2.1. Language of instruction	English
2.2. Entry requirements	Anatomy, histology, pathophysiology

3. Detailed characteristics of the course

3.1. Type of classes	Lectures (including e-learning), classes (including e-learning)
3.2. Place of course delivery	Didactic rooms at UJK
3.3. Form of assessment	Lecture: 1st semester: credit, 2nd semester: exam Classes: 1st and 2nd semester: credit with grade
3.4. Teaching methods	Lecture (including e-learning) Presence during lectures is obligatory Classes (including e-learning) Presence during classes is obligatory
3.5.a. Basic reading list	1. V. Kumar, A. K. Abbas, J. C. Aster. Robbins and Cotran Pathologic Basis of Disease. IXth Edition, 2015, Elsevier. 2. V. Kumar, A. K. Abbas, J. C. Aster. Robbins Basic Pathology. IX Edition, 2013, Elsevier.
3.5.b. Supplementary reading list	1. E. C. Klatt. Robbins and Cotran Atlas of Pathology, 3th Edition, 2015, Elsevier.

4. Objectives, content and learning outcomes

4.1. Course objectives (taking into account the form of classes)

Lectures

- **CO1.** The aim of the subject is to present the issues of general human pathology with particular regard to adaptation processes, inflammations, circulatory disorders, tumors.
- **CO2.** The aim is to know the pathogenesis of non-cancerous diseases and cancers.
- **CO3.** The goal is to get familiar with pathological methods as well knowing their limitations.
- **CO4.** The role of strict cooperation clinicians with pathologists.
- **CO5.** The goal is to know the relationship between the patient, the clinician and the pathomorphologist.

Classes

- **CO1.** The aim of the exercises is to continue the issues presented during the lectures with a special emphasis on understanding the cause-effect sequence of organ diseases
- **CO2.** The goal is to get to know the detailed pathology of the organs
- **CO3.** The goal is to know the morphology of organs
- **CO4.** The aim is to know the morphological exponent of non-cancerous diseases and cancers

4.2. Course content (taking into count the form of classes)

Lectures

Winter semester

1. Welcoming lecture 1h
2. Cell degeneration necrosis, apoptosis, tissae adaptation 3h
3. Inflammation and wound healing – 3h and 2h e-learning
4. Neoplasia 4h
5. Genetic disorders 3h
6. Enviromental and eating disorders – e-learning 3h
7. test 1h

Summer semester

1. GI pathology – 3h
2. Liver and biliary tract pathology– 3h
3. Female genital tract and breast pathology – 3h
4. Endocrine glands pathology – e-learning 3h
5. Soft tissue and bone pathology 2h and 2h e-learning
6. Neuropathology – 2h
7. test – 1h

Classes

Winter semester

1. Blood vessels 4h
2. The heart 4h
3. Respiratory tract 4h
4. Skin 4h
5. test 1 2h
6. Upper GI 4h
7. Lower GI 4h
8. Endocrine disorders 4h
9. Liver 4h
10. Lymphoid organs 4h
11. Red blood cells pathology (e-learning 5h)
12. test 2 2h and a retake test 1

Summer semester

1. Urinary tract - non neoplastic 4h
2. Urinary pathology – tumors 4h
3. Male genital tract 4h
4. Breast 4h
5. Female genital tract – cervix, uterus, trophoblastic disease 4h
6. Test 3 2h
7. Female genital tract – ovary 4h
8. Childhood pathology. Skeletal muscles and peripheral nerves - 4h
9. practical skills - autopsy. 4h
10. semester review 5h
11. practical skills, autopsy, biopsy 4h

12. Test 4 and a retake of the test 3 2h

p**4.3. Course learning outcomes**

Course learning outcomes (code)	Upon completion of the course, the student	Alignment with programme learning outcomes
	in the area of knowledge knows and understands:	
W01	The clinical course of specific and non-specific inflammations and the regeneration processes of tissues and organs;	C.W23.
W02	The etiology, mechanisms and consequences of hemodynamic disturbances;	C.W24.
W03	Organ pathology, macro and microscopic pathological changes and clinical consequences along with pathological nomenclature;	C.W25.
W04	Pathogenesis of diseases, including genetic and environmental conditions;	C.W26.
	in the area of skills knows how to:	
U01	Operate the optical microscope, also making use of immersion;	A.U1.
U02	Recognize histological structures of organs, tissues, cells and cellular structures on the optical or histological microscope images, describe and interpret the structure and relations between the structure and the function;	A.U2.
U03	Make connection between images of tissue, organ damage and clinical symptoms of the disease, medical history and the results of laboratory determinations in order to establish the diagnosis of the most common diseases of adults and children;	C.U7.
	in the area of social competences is able to:	
K01	Recognize his/her own limitations and self-evaluate educational deficiencies and needs;	K.S5.
K02	Use reliable information sources;	K.S7.
K03	Conclude on the basis of own surveys and observations;	K.S8.
K04	Introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment;	K.S9.
K05	Give opinions concerning various aspects of professional activity;	K.S10.
K06	Take responsibility for own decisions made during professional activities including own safety and safety of other people.	K.S11

4.4. Assessment methods for learning outcomes

Assessment method (+/-)

Course learning outcomes (code)	Written/ examinaion	Test*	Project*	In-class activity*	Independent study*	Group work*	Other (specify)*

Type of classes

1: / 2:	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...
W01	+				+																
W02	+				+																
W03	+				+																
W04	+				+																

U01	+				+																
U02	+				+																
U03	+				+																
K01-K06	+				+																

Annotation. 1: form of classes; 2: learning outcomes

4.5. Assessment criteria for learning outcomes

Type of classes:

LECTURE (L) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	61-68% The result of the written exam
3,5	69%-76% The result of the written exam
4,0	77%-84% The result of the written exam
4,5	85%-92% The result of the written exam
5,0	93%-100% The result of the written exam

Type of classes:

CLASSES (C) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	61-68% Mastering curriculum content at a basic level; answers are disorganized; prompting questions are necessary.
3,5	69-76% Mastering curriculum content at a basic level; systematized answers; requires teacher assistance.
4,0	77-84% Mastering curriculum content at a basic level; systematized answers; doesn't require teacher assistance; Problem-solving in typical situations
4,5	85-92% The scope of the knowledge presented goes beyond the basic level, based on the cited supplementary literature. Problem-solving in novel and complex situations.
5,0	93-100% The scope of the knowledge presented goes beyond the basic level, drawing on independently consulted scientific sources.

5. ECTS credit allocation – student workload

Category	Student workload (full-time mode)	Student workload (part-time mode)
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER (CONTACT HOURS)	**130**	
Participation in lectures*	30	
Participation in seminars/laboratories*	80	
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	20	
INDEPENDENT STUDY (NON-CONTACT HOURS)	**95**	
Preparation for lectures*	35	
Preparation for seminars/laboratories*	60	
Preparation for examination/test*		
Gathering materials for project, online research*		
Preparation of a multimedia presentation*		
Other (specify)*		
TOTAL HOURS	**225**	

ECTS CREDITS for the course	**9**	

*** delete as appropriate**

Approved for implementation (date and legible signatures of course instructors in the given academic year):

……..