

## DESCRIPTION OF THE COURSE OF STUDY

<b>Course code</b>	<b>0912-7LEK-F-2-NST</b>	
<b>Name of the course in</b>	Polish	<b>Nieprawidłowości struktur tkankowych</b>
	English	<b>Tissue structure abnormalities</b>

### 1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

<b>1.1. Field of study</b>	medicine
<b>1.2. Mode of study</b>	Full-time
<b>1.3. Level of study</b>	Uniform Master's studies
<b>1.4. Profile of study*</b>	General academic
<b>1.5. Specialization*</b>	lack
<b>1.6. Unit running the course of study</b>	The Faculty of Medicine and Health Sciences
<b>1.7. Person/s preparing the course description</b>	Agnieszka Radowicz- Chil MD, PhD
<b>1.8. Person responsible for the course of study</b>	Agnieszka Radowicz- Chil MD, PhD
<b>1.9. Contact</b>	agarad@poczta.fm

### 2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

<b>2.1. Affiliation with the module</b>	Morphological sciences
<b>2.2. Language of instruction</b>	English
<b>2.3. Semesters in which the course of study is offered</b>	1st
<b>2.4. Prerequisites*</b>	Secondary school-leaving examination in biology at the advanced level

### 3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

<b>3.1. Form of classes</b>	Lecture: 15 h	
<b>3.2. Place of classes</b>	Practical: courses in teaching rooms of the UJK	
<b>3.3. Form of assessment</b>	Exam: theoretical	
<b>3.4. Teaching methods</b>	Lectures, practical classes, discussions	
<b>3.5. Bibliography</b>	<b>Required reading</b>	1. Stevens Lowe's Human Histology 4th edition 2. Leslie P. Gartner Textbook of Histology 4th edition
	<b>Further reading</b>	Robbins Basic Pathology 9th edition

### 4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

#### 4.1. Course objectives (*lecture*)

**Within the course the students should:**

- C1. understand histology in the relevant context of disease pathogenesis;
- C2. know structure and structure-function relationship of tissues.

#### 4.2. Detailed syllabus (*lecture*)

- 1. Cellular adaptations to stress;
- 2. Tissue injury and death;
- 3. The morphology and mechanisms of tissue injury;
- 4. Apoptosis;
- 5. Tissue aging;
- 6. Tissue calcification.

### 4.3 Education outcomes in the discipline

Code	A student, who passed the course	Relation to teaching outcomes
within the scope of <b>KNOWLEDGE:</b>		
W01	Knows anatomical, histological and embryological terminology in English;	A.W1
W02	Knows basic cellular structures and their functional specifications	A.W4
W03	Knows microarchitecture of tissues, extracellular matrix and organs;	A.W5
within the scope of <b>ABILITIES:</b>		
U01	Operates the optical microscope, also making use of immersion;	A.U1
U02	Recognizes histological structures of organs, tissues, cells and cellular structures on the optical or histological microscope images, makes descriptions and interprets the structure and relations between the structure and the function;	A.U2
U03	Uses anatomical, histological and embryological terminology both in written and oral communication;	A.U5

### 4.4. Methods of assessment of the intended teaching outcomes

Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam oral/written*			Test*			Project*			Effort in class*			Self-study*			Group work*			Others*		
	Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes		
	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...
W01				+																	
W02				+																	
W03				+																	
U01				+																	
U02				+																	
U03				+																	

\*delete as appropriate

### 4.5. Criteria of assessment of the intended teaching outcomes

Form of classes	Grade	Criterion of assessment
lecture (L)	3	Learning programme content on the basic level, replies chaotic, leading questions necessary.
	3,5	Learning programme content on the basic level, answers systematized, requires assistance from the teacher
	4	Learning programme content on the basic level, answers systematized, independent. Solving of problems in typical situations.
	4,5	The scope of presented knowledge exceeds the basic level based on the supplementary literature provided. Solving of problems in new complex situations
	5	The scope of presented knowledge exceeds the basic level based on independently acquired scientific sources of information

**5. BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT**

Category	Student's workload
	Full-time studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	<b>15</b>
<i>Participation in lectures*</i>	<b>15</b>
<i>Participation in classes, seminars, laboratories*</i>	
<i>Preparation in the exam/ final test*</i>	
<i>Others*</i>	
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	<b>10</b>
<i>Preparation for the lecture*</i>	<b>10</b>
<i>Preparation for the classes, seminars, laboratories*</i>	
<i>Preparation for the exam/test*</i>	
<i>Gathering materials for the project/Internet query*</i>	
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
<i>TOTAL NUMBER OF HOURS</i>	<b>25</b>
ECTS credits for the course of study	<b>1</b>

**Accepted for execution** (date and signatures of the teachers running the course in the given academic year)

.....