

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912-7LEK-F-19-PT	
Name of the course in	Polish	Patofizjologia trzustki
	English	Pathophysiology of the pancreas

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

1.1. Field of study	medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's studies
1.4. Profile of study*	General academic
1.5. Specialization*	lack
1.6. Unit running the course of study	The Faculty of Medicine and Health Sciences
1.7. Person/s preparing the course description	dr hab. prof. UJK Polewczyk Anna
1.8. Person responsible for the course of study	dr hab. prof. UJK Polewczyk Anna/ dr Monika Kozłowska-Geller
1.9. Contact	

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Affiliation with the module	elective
2.2. Language of instruction	English
2.3. Semesters in which the course of study is offered	5 th semester
2.4. Prerequisites*	

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture- 15h	
3.2. Place of classes	Courses in the teaching rooms of the UJK	
3.3. Form of assessment	LECTURE – L	
3.4. Teaching methods	Conversational lecture, discussion.	
3.5. Bibliography	Required reading	The Pancreas: An Integrated Textbook of Basic Science, Medicine, and Surgery, Beger H, Warshaw A et al. 2008
	Further reading	Pathology of the pancreas a practical approach, Campbell F, Vebeke C. 2013

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

<p>4.1. Course objectives (<i>including form of classes</i>)</p> <p>C1. Obtaining extended information about pathophysiological processes of pancreas C2. Differentiation of characteristic clinical symptoms of the pancreas dysfunction C3. Knowledge of basic pancreas treatment methods</p>
<p>4.2. Detailed syllabus (<i>including form of classes</i>)</p> <p>1. Lecture 1. The pancreas detailed anatomy and physiology 2. Lecture 2. The pathophysiology of the pancreas - a cellular level. 3. Lecture 3. The pathophysiology of the pancreas - the effects of pancreas dysfunction 4. Lecture 4. Clinical symptoms of the pancreas dysfunction - differentiation. 5. Lecture 5. Methods of treatment of the pancreas disorders. ...</p>

4.3. Education outcomes in the discipline

Code	A student, who passed the course	Relation to teaching outcomes
within the scope of KNOWLEDGE:		
...W01	knows basic cellular structures and their functional specifications;	A.W4.
W02	describes basic catabolic and anabolic pathways, methods of their regulation and the influence of genetic and environmental factors;	B.W15.
W03	knows the metabolic profiles of basic organs and systems;	B.W16.
W04	knows the ways of communication between cells as well as between the cell and the extracellular matrix and signal transduction pathways in the cell as well as examples of disorders in these processes leading to the development of tumors and other diseases;	B.W21.
W05	knows the functions and mechanisms of regulation of all organs and systems of the human body, including the: circulatory, respiratory, digestive, and urinary systems as well as skins and understands the dependence between them;	B.W25.
W06	knows the relationship between the factors that disrupt the equilibrium of biological processes and physiological and pathophysiological changes;	B.W30.
within the scope of ABILITIES:		
...U01	operates the optical microscope, also making use of immersion;	A.U1.
U02	describes changes in the functioning of the organism in case of disruption of homeostasis, in particular determines its integrated response to exercise, exposure to high and low temperature, loss of blood or water, sudden vertical position, transition from sleep to wakefulness;	B.U7.
U03	performs a simple function tests evaluating the human body as a system stable regulation (stress tests); interprets the figures on the basic physiological variables	B.U8.
U04	applies basic laboratory techniques, such as: qualitative analysis, titration, colorimetry, pehametry, chromatography, electrophoresis of proteins and nucleic acids;	B.U9.
U05	operates simple measuring instruments and evaluates the accuracy of measurements;	B.U10.

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	...	L	C	...
W01	+																							
W02	+																							
W03	+																							
W04	+																							
W05	+																							
W06	+																							
U01	+																							
U02	+																							
U03	+																							
U04	+																							
U05	+																							

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L)	3	61%-68% Learning programme content on the basic level, replies chaotic, leading questions necessary.
	3,5	69%-76% Learning programme content on the basic level, answers systematized, requires assistance from the teacher.
	4	77%-84% Learning programme content on the basic level, answers systematized, independent. Solving problems in typical situations.
	4,5	85%-92% The scope of presented knowledge exceeds the basic level based on the supplementary literature provided. Solving problems in new complex situations.
	5	93%-100% The scope of presented knowledge exceeds the basic level based on independently acquired scientific sources of information.

- **Thresholds are valid from 2018/ 2019 academic year**

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>	15
<i>Participation in lectures*</i>	15
<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>	10
<i>Preparation for the lecture*</i>	10
<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>	25
ECTS credits for the course of study	1

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

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