

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912-7LEK-D-PES	
Name of the course in	Polish	Patologia układu endokrynnego
	English	Pathology of the Endocrine System

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. Person preparing the course description	Lek. Artur Kuchareczko
1.6. Contact	artur.kuchareczko@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language of instruction	English
2.2. Prerequisites*	

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture: (including e-learning)	
3.2. Place of classes	Teaching rooms of Jan Kochanowski University, online classes	
3.3. Form of assessment	Credit with grade	
3.4. Teaching methods	Lecture (including e-learning)	
3.5. Bibliography	Required reading	<ol style="list-style-type: none"> 1. McPhee S.J., Hammer G.D: "Pathophysiology of Disease. An Introduction to Clinical Medicine" Mc-Graw-Hill, 2018 2. Jameson J, Fauci AS, Kasper DL, Hauser SL, Longo DL, Loscalzo J. eds. Harrison's Principles of Internal Medicine, Vol. 1 & Vol. 2; 20th Edition. McGraw-Hill Education; 2018.
	Further reading	<ol style="list-style-type: none"> 1. Copstead L-E., Banasik J.: Pathophysiology" Elsevier, 6th Edition, 2018 2. Kumar V., Abbas A.K., Fausto N., Aster J.C. – "Robbins and 3. Cotran Pathologic Basis of Disease" . Saunders Elsevier 2020 <p>Porth's Pathophysiology: Concepts of Altered Health States, 10th ed. Lippincott & Wilkins 2018</p>

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

4.1. Course objectives (including form of classes)

Lectures

- C1. Presentation of basic concepts used in endocrine diseases.*
C2. Presentation of mechanisms leading to the development of endocrine diseases.
C3. Explanation of functional changes occurring in the body in endocrine diseases.
C4. Discussing the symptoms occurring in endocrine system diseases along with their pathophysiological basis.
C5. Familiarizing students with diagnostic methods used in the diagnosis of endocrine system diseases.
(including e-learning):
C1 Discussion of the role of incretins in the etiopathogenesis of endocrine diseases

4.2. Detailed syllabus (including form of classes)

Lectures

1. Hyperprolactinemia – causes, symptoms, diagnosis
2. Calcium-phosphate metabolism disorders, including parathyroid diseases, vitamin D3 deficiency – causes, symptoms, diagnosis
3. Cushing's syndrome – causes, symptoms, diagnosis

4. Graves' disease and thyroid eye disease – causes, symptoms, diagnosis

(including e-learning):

1. Incretins – presentation, discussion, and explanation of their role in the etiopathogenesis of endocrine system diseases.**4.3 Intended learning outcomes**

Code	A student, who passed the course	Relation to teaching outcomes
within the scope of KNOWLEDGE :		
W01	recognize the terminology used in anatomic pathology;	C.W26.
W02	call the basic mechanisms of tissue and cell damage;	C.W27.
W03	recognize the problems concerning specific organ pathology, macroscopic and microscopic images and the clinical course of pathological changes in various organs;	C.W31.
W04	describe the mechanism of hormones' functioning;	C.W51.
within the scope of ABILITIES :		
U01	make connection between images of tissue and organ damage and clinical symptoms of the disease, medical history and the results of laboratory determinations;	C.U11.
U02	select drugs at appropriate doses for correcting the pathological phenomena in the body and in individual organs;	C.U14.
within the scope of SOCIAL COMPETENCE :		
K01	recognize his/her own limitations and self-evaluate educational deficiencies and needs;	H.S5
K02	use reliable information sources;	H.S7
K03	give opinions concerning various aspects of professional activity;	H.S10
K04	take responsibility for own decisions made during professional activities including own safety and safety of other people;	H.S11

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* Observati on		
	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				+						+											
W04				+						+											
U01				+						+											
U02				+						+											
K01-K04				+						+											

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes		
Form of classes	Gr ade	Criterion of assessment
Lecture (L) (including e- learning)	3	61%-68% correct test answers.
	3,5	69%-76% correct test answers.
	4	77%-84% correct test answers.
	4,5	85%-92% correct test answers.
	5	93%-100% correct test answers.

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

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