

## DESCRIPTION OF THE COURSE OF STUDY

<b>Course code</b>		<b>0912-7LEK-F-25-PUE</b>
<b>Name of the course in</b>	Polish	<b>Patofizjologia układu endokrynnego</b>
	English	<b>Pathophysiology of the Endocrine System</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>	dr n med Iwona Pałyga dr hab n med Aldona Kowalska prof UJK
<b>1.8. Person responsible for the course of study</b>	Dr n med Iwona Pałyga
<b>1.9. Contact</b>	

## 2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

<b>2.1. Affiliation with the module</b>	Elective
<b>2.2. Language of instruction</b>	English
<b>2.3. Semesters in which the course of study is offered</b>	6 <sup>th</sup> semester
<b>2.4. Prerequisites*</b>	

## 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>	Courses in the teaching rooms of the UJK	
<b>3.3. Form of assessment</b>	Lecture	
<b>3.4. Teaching methods</b>		
<b>3.5. Bibliography</b>	<b>Required reading</b>	Medical Physiology Guyton and Hall
	<b>Further reading</b>	1.The diagnosis of Cushing syndrome: An Endocrine Society Clinical Practice Guideline L.K.Nieman B. Biller 2.Diagnosis and treatment of Hyperprlactinemia;An Endocrine Society Clinical Practice Guideline S. Melmet F. Casanueva 3.Primary hyperparathyroidism;Management-UpToDate 4.Incretin hormones in the tretment of type 2 diabetes. Part I: Influence of insulinotropic gut-derived hormones (incretins) on glucose metabolism B. Matuszek 5. Current Perspective on the Pathogenesis of Graves' disease and ophthalmopathy. B Prabhakar. R. Bahn. T. Smith

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

##### 4.1. Course objectives *(including form of classes)*

- C1.1. Hypercortisolism - diagnostic pitfalls
- C2. Hyperprolactinemia - factors affecting prolactin secretion and laboratory interferences
- C3. The mechanisms of the regulation of calcium-phosphate metabolism
- C4. The mechanisms of incretin regulation of insulin secretion
- C5. The pathomechanisms affecting clinical manifestations of Graves' disease

##### 4.2. Detailed syllabus *(including form of classes)*

- C1. Hypercortisolism - diagnostic pitfalls 3 h lecture dr n med I Pałyga
- C2. Hyperprolactinemia - factors affecting prolactin secretion and laboratory interferences 3 h lecture dr n med I Pałyga
- C3. The mechanisms of the regulation of calcium-phosphate metabolism 3 h lecture dr n med I Pałyga
- C4. The mechanisms of incretin regulation of insulin secretion 3 h lecture dr n med I Pałyga
- C5. The pathomechanisms affecting clinical manifestations of Graves' disease 3 h lecture dr n med I Pałyga

### 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>		
W1	knows the consequences of inadequate nutrition, including long-term starvation, taking too large meals and the use of unbalanced diet;	B.W19.
W2.	knows the consequences of vitamins or minerals deficiency and their excess in the body;	B.W20.
W3.	knows the mechanism of hormones' functioning and the consequences of disorders of hormonal regulation;	B.W26.
W4.	knows the mechanisms of aging;	B.W28.
W5.	knows the relationship between the factors that disrupt the equilibrium of biological processes and physiological and pathophysiological changes;	B.W30.
within the scope of <b>ABILITIES:</b>		
U1.	recognizes the most common human parasites on the basis of their construction, life cycles and symptoms of the disease;	C.U7.

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

Teaching outcomes (code)	Method of assessment (+/-)																				
	Test oral/written*			Colloquium*			Project*			Effort in class*			Self-study*			Group work*			Others* (Attendance)		
	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	+			+						+			+						+		
W05	+			+						+			+						+		
U01	+			+						+			+						+		

\*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 of problems in typical situations.
	4,5	85%-92% The scope of presented knowledge exceeds the basic level based on the supplementary literature provided. Solving of 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>	<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>	
<b>TOTAL NUMBER OF HOURS</b>	<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)

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