

## DESCRIPTION OF THE COURSE OF STUDY

<b>Course code</b>	<b>0912-7LEK-F-19-PT</b>	
<b>Name of the course in</b>	Polish	<b>Elektrofizjologia</b>
	English	<b>Electrophysiology</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. hab. n. med. Prof. UJK Anna Polewczyk
<b>1.8. Person responsible for the course of study</b>	dr. hab. n. med. Prof. UJK Anna Polewczyk
<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>	4 <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- 15h	
<b>3.2. Place of classes</b>	Courses in the teaching rooms of the UJK	
<b>3.3. Form of assessment</b>	LECTURE – L	
<b>3.4. Teaching methods</b>	Conversational lecture, discussion.	
<b>3.5. Bibliography</b>	<b>Required reading</b>	<u>MacLeod K T. Essential Introduction to Cardiac Electrophysiology World Scientific Publishing UK. 2014</u>
	<b>Further reading</b>	Glover BM, Brugada P. Clinical Handbook of Cardiac Electrophysiology. <a href="http://www.ebook777.com/clinical-handbook-cardiac-electrophysiology">www.ebook777.com/clinical-handbook-cardiac-electrophysiology</a> . Barold S, Mugica J. The Fifth Decade of Cardiac Pacing <a href="http://www.Ebook777.com">www.Ebook777.com</a>

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

<p><b>4.1. Course objectives</b> (<i>including form of classes</i>)</p> <p>C1. Obtaining information about the use of electrophysiological tests  C2. Knowledge about the use of ablation in the treatment of arrhythmias  C3. Knowledge of electrotherapy complications</p>
<p><b>4.2. Detailed syllabus</b> (<i>including form of classes</i>)</p> <p>1. Lecture 1 Functional potential of working and pacing cells. Diagnosis of arrhythmias and electrophysiological procedures dr hab. n. med. prof. UJK Anna Polewczyk 3 hours  2. Lecture 2 Types of supraventricular arrhythmia and qualifications for ablation dr hab. n. med. prof. UJK Anna Polewczyk 3 hours  3. Lecture 3 Ventricular arrhythmia- diagnosis and therapy dr hab. n. med. prof. UJK Anna Polewczyk 3 hours  4. Conduction disorders and qualifications for implantation of different kind of pacing systems dr hab. n. med. prof. UJK Anna Polewczyk 3 hours  5. Electrotherapy complications dr hab. n. med. prof. UJK Anna Polewczyk 3 hours  ...</p>

#### 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 the physical, chemical and molecular basis of how the organs of the senses function;	B.W7.
W02	knows the physical principles of selected therapeutic techniques, including ultrasound and radiation;	B.W9.
within the scope of <b>ABILITIES:</b>		
U01	standard electrocardiogram along with its interpretation, cardioversion and defibrillation of the heart.	E.U29.
U02	plans and performs basic scientific research, interprets the results and draws conclusions.	B.U14.

#### 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																					
U01																					

\*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. 61%-68%
	3,5	Learning programme content on the basic level, answers systematized, requires assistance from the teacher.69%-76%
	4	Learning programme content on the basic level, answers systematized, independent. Solving of problems in typical situations 77%-84%
	4,5	The scope of presented knowledge exceeds the basic level based on the supplementary literature provided. Solving of problems in new complex situations 85%-92%
	5	The scope of presented knowledge exceeds the basic level based on independently acquired scientific sources of information.93%-100%
classes (C)*	3	From 61%-68% learning programme content on the basic level, replies chaotic, leading questions necessary.
	3,5	From 69%-76% learning programme content on the basic level, answers systematized, requires assistance from the teacher.
	4	From 77%-84% learning programme content on the basic level, answers systematized, independent. Solving of problems in typical situations.
	4,5	From 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	From 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>	
<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)*

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