**description of the course of study**

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| **Course code** | **0912-7LEK-F-15-Ef** |
| **Name of the course in** | Polish | **Hemostaza i tromboza** |
| English | **Hemostasis and thromosis** |

1. **LOCATION OF THE course OF STUDY within the system of studies**

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| **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** | **Anna Polewczyk, Prof. UJK** |
| **1.5. Contact** | **apolewczyk@ujk.edu.pl** |

1. **General characteristicS of the course of study**

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| **2.1. Language of instruction** | English |
| **2.2. Prerequisites\*** | Anatomy, physiology, pathophysiology |

1. **DETAILED CHARACTERISTICS OF THE COURSE OF STUDY**

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| * 1. **Form of classes**
 | Lecture- 15 (including 5 hours e-learning) |
| * 1. **Place of classes**
 | in didactic rooms of the UJK |
| * 1. **Form of assessment**
 | Credit with grade |
| * 1. **Teaching methods**
 | conversation lecture, discussion, case study in natural conditions |
| * 1. **Bibliography**
 | **Required reading** | 1. Ziad Issa, John M. Miller, Douglas P. Zipes.hemostasis. Thrombosis. A companion to Beaunwald's Heart Disease. ISBN: 978-1-4557-1274-8   |
|  **Further reading** | 1. HEMOSTASIS AND THROMBOSIS: BASIC PRINCIPLES AND CLINICAL PRACTICE Robert W. Colman Victor J. Marder Alexander W. WILLIAMS & WILKINS,2005
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1. **Objectives, syllabus CONTENT and intended teaching outcomes**

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| * 1. **Course objectives *(lecture)***

**Lectures**C1 acquisition of knowledge concerning the arterial thrombosis and embolismC2 acquisition of knowledge concerning the application of the treatment of arrhythmia using ablation C3 acquisition of skills of basic interpretation of electrophysiological examinations |
| * 1. **Detailed syllabus *(lecture)***

**Lectures**Lecture 1 Patophysiology of arterial thrombosis and embolismLecture 2 Vein thrombosis and pulmonary embolismLecture 3 Pathophysiology, diagnosis and treatment of disseminated intravascular coagulation-1. Clinical anatomy of the heart and brain vessels2. Mechanism of the formation of the thrombus in the heart3. Factors influenced the formation of the thrombus in the arteries and veins4. Pathophysiology of the disseminated intravascular coagulation |

* 1. **Education outcomes in the discipline**

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| **Code** | **A student, who passed the course** | **Relation to teaching****outcomes** |
| within the scope of **knowledge**, the graduate knows and understands: |
| W01 | basic principles of stimulation and conduction in the nervous system and higher nervous functions, as well as physiology of striated and smooth muscles and functions of blood;  | B.W20. |
| W02 | 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.W21. |
| within the scope of **ABILITIES**, the graduate knows how to: |
| U01 | perform simple function tests evaluating the human body as a system stable regulation (stress tests) and interpret the figures on the basic physiological variables; | B.U7. |

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|  | within the scope of **SOCIAL COMPETENCE**, the graduate is able to: |  |
| K01 | establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences;  | H.S1 |
| K02 | do what is right for the patient; | H.S2 |
| K03 | respect medical confidentiality and patient’s rights; | H.S3 |
| K04 | take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness; | H.S4 |
| K05 | recognize his/her own limitations and self-evaluate educational deficiencies and needs; | H.S5 |
| K06 | promote healthy lifestyle; | H.S6 |
| K07 | use reliable information sources; | H.S7 |
| K08 | conclude on the basis of own surveys and observations; | H.S8 |
| K09 | introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment; | H.S9 |
| K10 | give opinions concerning various aspects of professional activity; | H.S10 |
| K11 | take responsibility for own decisions made during professional activities including own safety and safety of other people; | H.S11 |

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| * 1. **Methods of assessment of the intended teaching outcomes**
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| **Teaching** **outcomes*****(code)*** | **Method of assessment (+/-)** |
| **Exam oral/written\*** | **Test\*** | **Project\*** | **Effort** **in class\*** | **Self-study\*** | **Group work\***  | **Others\*****Observation** |
| ***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 | ***+*** |  |  |  |  |  |  |  |  | *x* |  |  |  |  |  |  |  |  |  |  |  |
| W02 | ***+*** |  |  |  |  |  |  |  |  | *x* |  |  |  |  |  |  |  |  |  |  |  |
| U01 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  |  |  |  |  |  |
| K01-K11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |

***\*delete as appropriate***

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| * 1. **Criteria of assessment of the intended teaching outcomes**
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| **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% |

* [**Thresholds**](https://pl.bab.la/slownik/angielski-polski/thresholds) **are valid from 2018/ 2019 academic year**
1. **BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT**

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| **Category** | **Student's workload** |
| **Full-time****studies** |
| *NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/* | **15** |
| *Participation in lectures\** | **10** |
| *Participation in classes, seminars, laboratories\** |  |
| *Preparation in the exam/ final test\** |  |
| *Others\** | **5**1 |
| *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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1classes conducted online (e-learning)