**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 thrombosis** |

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** | **Dr Sylwia Terpiłowska** |
| **1.5. Contact** | **sylwia.terpilowska@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** | Hemostasis and Thrombosis, Thomas G. Deloughery, Springer Nature Switzerland AG, 2019 |
| **Further reading** | HEMOSTASIS AND THROMBOSIS: BASIC PRINCIPLES AND CLINICAL PRACTICE Robert W. Colman Victor J. Marder Alexander W. WILLIAMS & WILKINS,2005 |

1. **Objectives, syllabus CONTENT and intended teaching outcomes**

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| * 1. **Course objectives *(lecture)***   **Lectures**  C1 acquisition of knowledge concerning the components of hemostasis and thrombosis  C2 acquisition of knowledge concerning the application of the treatment of thrombophilia  C3 acquisition of skills of basic interpretation of bleeding disorders |
| * 1. **Detailed syllabus *(lecture)***   **Lectures**  Components of hemostasis and thrombosis.  Role of platelets, clotting factors and vascular endothelium in hemostasis.  Primary and secondary hemostasis.  Coagulation. Intrinsic and extrinsic pathway.  Bleeding disorders.  Thrombophilia.  Platelet disorders.  Anticoagulants.  Laboratory evaluation in hemostatic and thrombotic disorders. |

* 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. |
|  | within the scope of **SOCIAL COMPETENCE**, the graduate is able to: |  |
| 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 |

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| * 1. **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\***  **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-K04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |

***\*delete as appropriate***

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| * 1. **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% |

* [**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)