*Attachment No. 1 to Rector’s ordinance No. /2016*

**description of the course of study**

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| **Course code** | **0912-7LEK-F-1-HHKN** | |
| **Name of the course in** | Polish | **Zaburzenia homeostazy komórek nabłonkowych** |
| English | **Homeostatic imbalance of epithelial tissue** |

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** | Agnieszka Radowicz- Chil MD, PhD |
| **1.6. Contact** | agarad@poczta.fm |

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

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| **2.1. Language of instruction** | English |
| **2.2. Prerequisites\*** | Secondary school-leaving examination in biology at the advanced level |

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

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| * 1. **Form of classes** | | Classes-15 h (including 5 hours of e-learning) |
| * 1. **Place of classes** | | Practical: courses in teaching rooms of the UJK |
| * 1. **Form of assessment** | | Exam: theoretical |
| * 1. **Teaching methods** | | Lectures, practical classes, discussions |
| * 1. **Bibliography** | **Required reading** | 1. Stevens Lowe’s Human Histology 4th edition 2. Leslie P. Gartner Textbook of Histology 4th edition |
| **Further reading** | Robbins Basic Pathology 9th edition |

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

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| * 1. **Course objectives *(lecture)***   **Within the course the student should:**  C1. Understand histology in the relevant context of disease pathogenesis;  C2. Recognize various kinds of epithelial tissue;  C3. Know the mechanisms of epithelial tissue homeostasis;  C4. Know the principal adaptive responses. |
| * 1. **Detailed syllabus *(lecture)***   1. Macroscopic assessment of tissues;  2. Mechanisms of epithelial tissue homeostasis;  3. Principal adaptive responses;  4. Stem cells;  5.Mechanisms of the epithelial – mesenchymal transition. |

**4.3 Intended learning outcomes**

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| **Code** | **A student, who passed the course** | **Relation to learning**  **outcomes** |
| within the scope of **knowledge**, the graduate knows and understands: | | |
| W01 | anatomical, histological and embryological terminology in Polish and English; | A.W1 |
| W02 | basic cellular structures and their functional specifications; | A.W4 |
| W03 | microarchitecture of tissues, extracellular matrix and organs; | A.W5 |
| within the scope of **ABILITIES**, the graduate knows how to: | | |
| U01 | operate the optical microscope, also making use of immersion; | A.U1 |
| U02 | recognize histological structures of organs, tissues, cells and cellular structures on the optical or histological microscope images, describe and interpret the structure and relations between the structure and the function; | A.U2 |
| U03 | use anatomical, histological and embryological terminology both in written and oral communication; | A.U5 |

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| * 1. **Methods of assessment of the intended learning 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 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W03 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U01 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U02 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U03 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

***\*delete as appropriate***

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| * 1. **Criteria of assessment of the intended learning 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** |

***\*delete as appropriate***

***Accepted for execution*** *(date and signatures of the teachers running the course in the given academic year)*

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1 e-learning