**description of the course of study**

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| **Course code** | **0912-7LEK-C-HAI** |
| **Name of the course in** | Polish | **Zakażenia szpitalne** |
| English | **Hospital-Acquired Infections** |

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** | prof. zw. dr hab. Robert Bucki |
| **1.6. Contact** | robert.bucki@ujk.edu.pl |

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

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| **2.1. Language of instruction** | **English** |
| **2.2. Prerequisites\*** | none  |

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

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| * 1. **Form of classes**
 | Lecture- 15h |
| * 1. **Place of classes**
 | Traditional classes in the didactic classes of Faculty of Medicine and Health Sciences |
| * 1. **Form of assessment**
 | Credit with grade |
| * 1. **Teaching methods**
 | Informative lecture |
| * 1. **Bibliography**
 |  **Required reading** | 1. Hospital-Acquired Infections Julia B. Wilcox, Nova Science, 2009 - Medical |
|  **Further reading** | 1 Epidemic of Medical Errors and Hospital-Acquired Infections. By William Charney2. https://books.google.pl/books?isbn=0470698608 |

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

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| * 1. **Course objectives *(including form of classes)***

***C1.***Familiarization with important issues related to epidemiology of nosocomial infections.***C2.***Understanding the possibility of supervision and control of nosocomial infections, with particular reference to infections caused by multi-resistant strains.**C3.** Understanding the management rules in the endemic hospital environment.**C4.**Understanding the specificity of infections in selected groups of patients.**C5.** Getting to know the post-exposure procedures |
| * 1. **Detailed syllabus *(including form of classes)***

***1.***Introduction to the epidemiology of nosocomial infections.***2.***Epidemic environment, epidemiological inquiry, focus of inflammation, supervision.**3.**The role of the microbiological laboratory in the control of nosocomial infections, screening in preventing the spread of resistant strains.**4.**Hospital infections in selected clinical areas.***5.*** Protection of medical personnel and post-exposure proceedings |

**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 | the basics of microbiological and parasitological diagnosis; | C.W19. |
| W02 | the foundation for the diagnosis of gene and chromosome mutations responsible for hereditary and acquired diseases, including cancer; | C.W9. |
| W03 | the epidemiology of infections with viruses, bacteria as well as fungal and parasites infections, including geographical range of their occurrence; | C.W13. |
| W04 | the structure of chromosomes and the molecular mechanisms of mutagenesis; | C.W4. |
| within the scope of **ABILITIES,** the graduate knows how to: |
| U01 | interpret the results of microbiological tests; | C.U10 |
| U02 | assess environmental hazards and use basic methods allowing to detect the presence of harmful agents (biological and chemical) in the biosphere; | C.U6 |

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| 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 | conclude on the basis of own surveys and observations; | H.S8 |
| K04 | 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 |
| K05 | give opinions concerning various aspects of professional activity; | H.S10 |
| K06 | 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 learning 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 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W02 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W03 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| W04 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U01 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U02 |  |  |  | ***+*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K01-K06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |

***\*delete as appropriate***

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| * 1. **Criteria of assessment of the intended learning outcomes**
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| **Form of classes** | **Grade** | **Criterion of assessment** |
|  **lecture (L)** | **3** | 61% - 68%. Mastering program content at the elementary level, chaotic answers, guidance questions necessary |
| **3,5** | 69% -76%. Mastering program content at the elementary level, systematized answers, teacher's help required. |
| **4** | 77% -84%. Mastering program content at the elementary level, systematized answers, independent.Solving problems in typical situations. |
| **4,5** | 85% -92% The scope of the presented knowledge goes beyond the basic level based on the supplementary reference literature. Solving problems in new and complex situations. |
| **5** | 93% -100% The scope of the presented knowledge goes beyond the basic level based on independently acquired scientific sources of information |

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\** | 15 |
| *Participation in classes, seminars, laboratories\** |  |
| *Preparation in the exam/ final test\** |  |
| *Others\** |  |
| *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 (please specify e.g. e-learning)\** |  |
| *TOTAL NUMBER OF HOURS* | **25** |
| ECTS credits for the course of study | **1** |

***\*delete as appropriate***

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

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