**description of the course of study**

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| **Course code** | **0912-7LEK-C-Ep** |
| **Name of the course in** | Polish | **Epidemiologia** |
| English | **Epidemiology** |

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 n. med. Edyta Naszydłowska |
| **1.6. Contact** | michal.zabojszcz@ujk.edu.pl |

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

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| **2.1. Language of instruction** | English |
| **2.2. Prerequisites\*** | The basics of biology, knowledge of human sciences, the basics of statistics |

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

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| * 1. **Form of classes**
 | Lectures: 15 |
| * 1. **Place of classes**
 | Courses in the teaching rooms of UJK |
| * 1. **Form of assessment**
 | Credit with grade |
| * 1. **Teaching methods**
 | Lecture: informative, problem-centered, conversational, case study method. |
| * 1. **Bibliography**
 | **Required reading** | 1.Epidemiology and Public Health Medicine2.Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health 97814557065873.Oxford Handbook of Public Health Practice 3e 9780199586301 |
|  **Further reading** | 1.Lecture Notes: Epidemiology, Evidence-based Medicine and Public Health 97814443347842.Lecture Notes on Epidemiology & Public Health Medicine |

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

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

C1. Preparing the student for gaining and analyzing the basic data about health phenomena in the community as well as forecasting their impact on the functioning of health care, assessment of the state of health of the population based on epidemiological and demographic data.C2. Acquaintance with the determinants of health and disease by means of selected measures of health status of the population and possibilities of their use.C3. Preparing to conduct a basic assessment of human health, taking into account the interpretation of the results of subjective and physical tests as well as additional research. |
| * 1. **Detailed syllabus *(lecture)***

Lectures:The basic concepts of epidemiology. The importance of epidemiology in public health.The assessment of the state of health of the population. Health status indicators.Health policy. Epidemiological research- the basic information, classification, measurement errors, the differ-ence between the epidemiological and clinical diagnosis, survey questionnaire.Environmental diseases related to the place of residence –exposure analysis. Assessment of the severity of infectious diseases in the area of Kielce, epidemiology of cancer, smoking, reproductive health as the exam-ples of epidemiological research. The methods of measurements of selected physical parameters of the environment of human existence.Epidemiology of infectious diseases. The flu caused by A H1/N1 virus as the example of epidemiological activities. Nosocomial infections. Vaccinations, vaccination strategy. |

* 1. **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 role and methods used in medical rehabilitation; | E.W1. |
| W02 |  the methods for assessing the health of individuals and populations, various disease classification systems and medical procedures; | G.W1. |
| W03 | the methods for the identification and study of risk factors, the advantages and disadvantages of different types of epidemiological studies and measures indicating the presence of cause and effect; | G.W2. |
| W04 |  the epidemiology of infectious and chronic diseases, how to prevent them from occurring in various stages of the natural history of the disease and the role of epidemiological surveillance; | G.W3. |
| within the scope of **ABILITIES**,the graduate knows how to: |
| U01 | describe demographic structure of the population and on that basis assesses the health problems of the population; | G.U1. |
| U02 | collect information on the presence of risk factors and chronic diseases and plans preventive actions at different levels of prevention; | G.U2. |

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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 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-K11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |

***\*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% Learning programme content on the basic level, replies chaotic, leading questions necessary.  |
| **3,5** | 69% -76% The student mastered most of the program content at a satisfactory level, presents knowledge after being directed, can apply it in typical situations. |
| **4** | 77% -84% The student mastered the content of the program at a satisfactory level, presents knowledge independently, can apply it in typical situations. |
| **4,5** | 85% -92% He mastered the full range of knowledge of program content, presents it independently, knows new medical novelties, can apply it after focusing in new situations. |
| **5** | 93% -100% He mastered the full range of knowledge of program content, presents it independently, knows medical novelties, can apply it in new situations. |

* [**Thresholds**](https://pl.bab.la/slownik/angielski-polski/thresholds) **are valid from 2018/ 2019 academic year**

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| **Criteria for evaluation of oral answer**1. Provision of a comprehensive answer to the problem (task)2. Skill of integration of knowledge from allied domains (disciplines) 3. Independence and/or creativity in the presentation of the scope of problems, proposals of solutions4. Presentation of the current knowledge related with the discipline (domain)5. Recognition of problems resulting from the task **Criteria for evaluation of written answer**1. Compliance with the essence of the subject matter of work (task) / 2. Provision of a comprehensive answer to the problem (task) / 3. Skill of integration of knowledge from allied domains (disciplines) /4. Independence and/or creativity in the presentation of the scope of problems 5. Presentation of the current knowledge related with the discipline (domain), pertinent selection of literature  |

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\** |  |
| *Preparation for the classes, seminars, laboratories\** |  |
| *Preparation for the exam/test\** | 10 |
| *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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