**SYLLABUS**

|  |  |
| --- | --- |
| **Name of a course / module** | **Epidemiology** |
| **Faculty of**  | Medicine with Division of Dentistry and Division of Medical Education in English |
| **Name** **of a field of study** | Faculty of Medicine |
| **Level of education** |  |
| **Form of study** | Full time studies |
| **Language of instruction** | English |
| **Type of course** | obligatory □ facultative □ |
| **Year of study / Semester** | I □ II □ III□ IV □ V □ VI □ | 1 □ 2 □ 3 □ 4 □ 5 □ 6 □ 7 □ 8 □ 9□ 10 □ 11 □ 12 □ |
| **Number of didactic hours of classes with division for forms of teaching** | 40: lectures - 12, classes – 28 |
| **Assumptions and aims of the course** | Student should know how to interpret epidemiologic data and should know how to read literature with the ability of critical interpretation epidemiological information. Moreover student is able to construct epidemiologic trial considering infectious and non-infectious diseases. Additionally student should know:* the reason of spreading of infectious and non-infectious diseases
* basic epidemiologic terms and concepts
* how to use epidemiologic knowledge in medical practice.
 |

|  |  |  |
| --- | --- | --- |
| **Symbol of** **education outcomes in accordance with the standards** | **Description of directional effects of education** | **Methods of verification of achieved learning outcomes** |
|  | **Knowledge (according to the detailed education outcomes)** |  |
| G.W1. |  evaluation methods of the state of individual and population health, different types of classification of diseases and medical procedures; | Classes - oral examClasses and lectures – final test |
| G.W2.  | methods of identification and examination of risk factors, advantages and disadvantages of different epidemiological examinations; measurements indicative of cause and effect relation;  |
| G.W3.  | epidemiology of chronic and infectious diseases, methods of prevention at different stages of natural history of the disease; role of epidemiological inspection; |
| G.W9.  | regulations concerning medical experiments and performing other medical researches; |
| G.W13. | interpretation of the frequency of diseases and disability occurrence, evaluation of epidemiological background of commonly occurring diseases; |
|  |  |
|  | **Skills (according to the detailed education outcomes)** |  |
| G.U1. | characterizing a demographic structure of population and subsequently evaluating its health problems; | Classes - oral examClasses and lectures – final test |
| G.U2. | collecting data concerning factors of infectious and chronic disease risks; planning prophylactic measures at different levels of prevention; |
|  |  |
|  |  |
|  | **Social competence (according to the general education outcomes)** |  |
| K1 | He /She recognizes own diagnostic and therapeutic limitations, educational needs, planning of educational activity | Continuous assessment by the teacher |
| K2 | He /She is able to work in a team of professionals, in a multicultural and multinational environment |
| K3 | He /She implements the principles of professional camaraderie and cooperation with representatives of other professionals in the range of health care |
| K4 | He /She observes doctor-patient privilege; and patient rights |

|  |  |
| --- | --- |
|  **ECTS points** | 2 |
| Student Workload |
| **Form of Activity** | **Number of hours to complete the activity** |
| **Activities that require the participation of (academic) teacher** |
| 1. Realization of the course: lecture
 | 11 |
| 1. Realization on of the course: seminar
 | - |
| 1. Realization of the course: classes
 | 28 |
| 1. Exam/ Final credit
 | 1 |
| 1. Electives
 | - |
|  |  Total of hours 40 |
| **Self-study:**  |
| 1. Preparation for classes
 |  |
| 1. Preparation for credits / tests
 |  |
| 1. Preparation for the exam / final test
 |  |
|  |  Total of hours  |

|  |
| --- |
|  **Course contents** |
| **Topics** | **Form** *(lectures, classes etc.…)* |
| Epidemiology – aims and tasks | Lecture |
| Basic types of epidemiologic phenomenons and methods of investigation | Lecture |
| Demography elements in epidemiology | Lecture |
| Strategy of epidemiological research | Lecture |
| Epidemiological situation in the world | Lecture |
| Epidemiology of infectious and non-infectious disease | Lecture |
| Basic types of epidemiologic phenomenons and methods of investigation | classes |
| Tasks and aims of modern epidemiology | classes |
| Methods of epidemiologic studies | classes |
| Sources of information in epidemiology | classes |
| Demography in epidemiologic studies | classes |
| Types of epidemiologic studies | classes |
| Planning epidemiologic studies | classes |
| Screening programs in epidemiology | classes |
| Epidemiology of infectious and non-infectious disease – epidemic, epidemic investigation, epidemic surveillance  | classes |
| Prevention of infectious and non-infectious disease | classes |

|  |
| --- |
| **A list of recommended and optional books** |
| 1. Leon Gordis, Epidemiology. Third edition, 2004.

2. Richard Farmer, Ross Lawrenson, Epidemiology and public health medicine. 5th edition, 2004. |

|  |
| --- |
|  **Conditions for receiving credit** |
| Condition for receiving credit is passing all classes. Absence from class has to be excused and students are obligated to get credit for all the material discussed in class during missed period within 3 weeks.Having received credit for course completion on the basis of the attendance record, students have to take a written exam. |

|  |  |  |  |
| --- | --- | --- | --- |
| Date of issue**:** | *29.05.2013* | Course coordinator or the head of the department where the course is held | *Prof. dr hab. Jan K Karczewski* |