



48SJO-HAEPI
2025
ECTS: 2.00

Course syllabus – part A

Hygiene and Epidemiology

SUBJECT MATTER CONTENT:

Seminar

hygiene in health care facilities, protective vaccinations, epidemiological study of an outbreak of a selected infectious disease, psychosocial determinants of human health, epidemiological analysis of food poisoning, planning an epidemiological study of a selected non-communicable disease, environmental carcinogenesis, prevention of infectious diseases and infections.

Lecture

interpretation of epidemiological research results, reading literature with a critical assessment of the epidemiological information contained therein and the ability to construct a correct model of epidemiological research in the field of infectious and non-communicable diseases, as well as various methods of relationships between health issues and population structure. Principles of formulating epidemiological hypotheses in clinical and population situations and methods of their verification in the course of observational and experimental studies.

Content:

Lectures: the role of epidemiology in the prevention of pathological phenomena, definitions, historical outline, modern epidemiological approach in medical sciences, environmental determinants of health - the influence of physical, chemical and biological factors on the human body, climatic conditions, soil and air pollution, food additives, lifestyle diseases, mechanisms of biotransformation, xenobiotics, biomarkers, biomonitoring - assessment of the health status of the population, functioning definitions of the health status and factors determining the health status; measures of the health burden of the population, classification of diseases - standardization of epidemiological coefficients and average life expectancy, graphical representation of the population structure in the form of the so-called age pyramids, comparison of health measures of populations with different internal structures - epidemiological research methods (types of research used in epidemiology, advantages and disadvantages of research).

TEACHING OBJECTIVE:

The objectives of "Hygiene and Epidemiology" course include: learning the basic conditions and factors affecting health, identifying risk factors for disease occurrence, critical interpretation of the selection of appropriate epidemiological studies, ability to plan an epidemiological study project, assessment of the epidemiological situation of selected infectious and non-communicable diseases, prevention of infections transmission and

Legal acts specifying learning outcomes:

467/2024 (Medicine),

Status of the course: None

Group of courses: None

Discipline: Medicine

Classes:

Lecture (20 h)

Seminar (10 h)

Step: Kierunek lekarski drugi rok (oferta w jęz. angielskim dla obcokrajowców)

Program: Medicine

Form of studies: full-time

Level of studies: uniform master's studies

Introductory subject: -

Prerequisites: -

Coordinators:

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Adam Kurianiuk,

knowledge of anti-epidemic actions. The student should acquire knowledge, skills and attitudes outlined by the subject matter including issues and activities carried out during the teaching process. Classes in the subject "Hygiene and Epidemiology" are intended to help understand the influence of the environment on human health, concept of causality, rules concerning formation, spread and prevention of diseases and their impact on the health of the population. Additionally, the aim of the education is to develop the desired personality traits of the Student, shape ethical attitudes and the obligation of continuous self-education.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:

Symbols for outcomes related to the field of study:

K.5+, B.U10.+, D.W2.+

LEARNING OUTCOMES (Knowledge, Skills, Social competence):

W1

D.W2. concepts of health and illness, the impact of the social environment (family, work, social relationships), and socio-cultural factors (origin, social status, religion, nationality, and ethnic group) on the patient's health.

U1

B.U10. classify the methodology of scientific research, including distinguishing between experimental and observational studies along with their subtypes, rank them according to the credibility of the provided results, and accurately assess the strength of scientific evidence;

K1

K1.noticing and recognizing one's own limitations and self-assessing educational deficits and needs

TEACHING FORMS AND METHODS:

Seminar-['W1', 'U1', 'K1']-elements of problem-based learning, conversation guided discussion, activating methods of graphic recording.

Lecture-['W1', 'U1', 'K1']-informative lecture combined with elements conversation lecture

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture-(Part in the discussion)-['W1', 'U1', 'K1']-credit based on active participation

students in lectures and monitoring attendance in classes in accordance with subject regulations.

Seminar-(Part in the discussion)-['W1', 'U1', 'K1']-pass based on the regulations subject, based on activity and preparation for classes

in accordance with the given topic, literature and possible suggestions obtained from the instructor and based on the knowledge acquired on lectures and seminars attended

Seminar-(Competention test)-['W1', 'U1', 'K1']-The assessment is based on test prepared based on closed and/or open questions -

The condition for passing the test is obtaining at least 60%

Literature:



Detailed description of ECTS credits awarded - part B
Hygiene and Epidemiology

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The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Lecture	20 h
- participation in: Seminar	10 h
- consultation	2 h
Total:	32 h

2. Independent work of a student:

PREPARING FOR CLASSES AND ASSESSMENTS	18.00 h
Total:	18.00 h

Total (contact hours + independent work of a student): 50.00 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS,
ECTS Points = 50.00 h : 25 h/ECTS = **2.00** ECTS

Average: 2.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher	1.28 ECTS
- including the number of ECTS credits for hours of independent work of a student	0.72 ECTS