

W4	GW5	knows the principles of health promotion, defines the objectives of primary and secondary prevention, knows how to construct simple programmes and recommendations to promote health, according to the needs of the diagnosed epidemiological problems		
W5	GW13 i	known methods for the identification and study of risk factors, advantages and disadvantages of different types of epidemiological studies, and measures of the presence of cause-and-effect evidence; uses statistics, knows how to interpret EBM, properly uses publications choosing the most valuable sources		
W6	GW19	knows the rules of collection of material for toxicological and hemogenetic studies, know hospital hygiene and waste management, know epidemiology infections and non-infectious diseases and control agencies		
U1	GU1.	uses various demographic sources, describes the demographic structure of the population, on that basis identifies the health problems of the population;		
U2	GU2.	gathers information on the environmental exposure to health disturbing factors (noise, exposure to toxins, heavy metals, vibration, etc.). Collects information on the presence of risk factors of infectious and chronic diseases and plans		

U3	GU7.	<p>preventive actions at different levels of prevention;</p> <p>observes the hygienic rules, properly collects blood for toxicological studies and protects the material for research, works with literature sources actively involved in various forms of activities</p>		
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** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes:

Knowledge: +++++

Skills: +++++

Student's amount of work (balance of ECTS points)

Student's workload

(class participation, activity, preparation, etc.)

Student Workload (h)

1. Contact hours:

30

2. Student's own work (self-study):

30

Total student's workload

60

ECTS points for module/course

4,0

Comments

Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Lectures

Not applicable

Seminars

not applicable

Major classes – not clinical

1MC. Principles of food hygiene. Energy demand, primary and secondary metabolism - calculation of the energy requirement of students.

2MC. Disorders of the nutritional status.

3MC. The role of nutrition in the diseases development and prevention. Acquiring and applying knowledge of nutrition based on literature - exercises with the ability to use professional literature.

4MC. The principles of health promotion and disease prevention. Macroeconomic aspects.

5MC. Environmental epidemiology. Types of epidemiological studies. Causal inference. Measuring risk and risk assessment methods. Standardization.

6.MC Hand hygiene. Cleaning and disinfection. Disease of dirty hands - exercises using UV lamp.

7. MC. Nosocomial infections - epidemiology. Hygiene measures for health professions workforce.

Occupational hazards and exposures in health care facilities.

- 8.MC. Water pollution - pathogen. Biological significance of water. The shortage of water in the world - statistics. The harmfulness of biological and chemical factors in the wastewater. Water treatment, water quality status indicators - interpretation of study results.
- 9.MC Mental hygiene, its sources and ways of elimination; sleep hygiene; addictions. Social diseases: nicotine addiction, alcoholism, drug addiction (recognition, health effects, treatment and prevention).
- 10.MC Occupational hazards to health (physical, chemical, biological); risk assessment.
- 11.MC. Occupational hazards at health care workplaces
- 12.MC Epidemiology of infectious diseases. Epidemiology of nosocomial infections. Proceedings in the outbreak of the epidemic
- 13.MC. Prevention and epidemiology of cardiovascular disease. Cardiovascular disease risk factors.
- 14.MC Environmental factors and epidemiology of non-infectious and other diseases
15. MC. – classes allowing individual catch up due to absenteeism student.

Other

not applicable

Basic literature (list according to importance, no more than 3 items)

1. Bonita R., Beaglehole R., Kjellstrom T. Basic Epidemiology. 2nd ed. Geneva: World Health Organization; 2006.
2. Population Health: Concepts and Methods. – T. Kue Young 2004 Oxford University Press.
3. Lippmann M (ed.). Environmental Toxicants – Human Exposures and Their Health Effects. 3rd ed. Hoboken: John Wiley & Sons, Inc.; 2009.

Additional literature and other materials (no more than 3 items)

1. European Centre for Disease Prevention and Control. Annual Epidemiological Report on Communicable Diseases in Europe 2010. Stockholm: ECDC; 2010.
2. Epidemiology for Public Health Practice. – Robert H. Friis, Thomas Sellers, 2013, Jones & Bartlett Learning.
3. Snashall D., Patel D (eds.) ABC of Occupational and Environmental Medicine. 2nd ed. London: BMJ Publishing Group; 2003.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Multimedia projector, projection screen, internet access, flipchart

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

1. Basic knowledge of the medical statistics
2. knowledge of human physiology and biology, basic knowledge of medical biochemistry

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

Admission to the exam -

1. completion exercises - assessed individual activity, relationship to the subject and teaching staff, and colleagues
2. two written tests passed – each with 3 drawn questions concerning the issues raised in the exercise
3. completion test of lectures topics
4. presence on all classes or make up for the missed due to an absence classes

Completion of the course Hygiene and Epidemiology –

A positive result of the written test consisting of 60 questions: 30 of epidemiology and 30 of hygiene - - positive rating is 60% correct answers from each department - epidemiology and hygiene.

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	EXPECTED KNOWLEDGE Knowledge of the issues raised in lectures and exercises Knowledge of the basic literature textbooks Knowledge of supplementary literature Ease to move through the issues of hygiene and epidemiology Use of applications and deriving solutions from the data source
Good Plus (4.5)	
Good (4.0)	KNOWLEDGE INDICATED Knowledge of the issues raised in lectures and exercises Knowledge of knowledge of the basic literature textbooks Knowledge of supplementary literature
Satisfactory Plus (3.5)	
Satisfactory (3.0)	KNOWLEDGE REQUIRED Knowledge of the issues raised in lectures and exercises Knowledge of knowledge of the basic literature textbooks

Name and address of module/course teaching unit, contact: telephone and e-mail address

CHAIR AND DEPARTMENT OF HYGIENE

7 J. Mikulicz-Radecki street, 50-368 Wrocław

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Coordinator / Person responsible for module/course, contact: telephone and e-mail address

prof. dr hab. Krystyna Pawlas

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List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

Imię i nazwisko osoby prowadzącej zajęcia,	Stopień tytuł naukowy lub zawodowy	Dziedzina naukowa	Wykonywany zawód	Forma prowadzenia zajęć
Krystyna Pawlas	PhD, Prof	medical biology	university teacher, health sciences	classes
Agata Kawalec	Doctor	medicine	PhD student	classes
Anna Kawalec	Doctor	medicine	PhD student	classes
Małgorzata Chowaniec	Doctor	medicine	PhD student	classes
Jerzy Błaszczuk	PhD, Prof	medicine	university teacher, physicien	classes

Date of Syllabus development

26.06.2017

Syllabus developed by

Krystyna Pawlas, Prof. PhD

Uniwersytet Medyczny we Wrocławiu
 Signature of Head of teaching unit
 KATEDRA ZAKŁAD HIGIENY
 kierownik

 prof. dr hab. Krystyna Pawlas

Signature of Faculty Dean

Wrocław Medical University
 FACULTY OF MEDICINE
 VICE-DEAN FOR TEACHING

 Prof. Andrzej Hendrich, PhD

