

WL 12-2 08 | 2018

Syllabus 2017/2018														
Description of the course														
Module/Course	HYGIENE AND EPIDEMIOLOGY										Group of detailed education results			
											Group code	Group name		
											G	Prawne i organizacyjne aspekty medycyny		
Faculty	Medicine													
Major	Medicine													
Specialties	not applicable													
Level of studies	Uniform magister studies X*													
Form of studies	X full-time <input type="checkbox"/> part-time													
Year of studies	III										Semester	Winter X		
Type of course	obligatory X													
Course	basic X													
Language of instruction	X English													
* mark <input type="checkbox"/> with an X														
Number of hours														
Form of education														
Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
Winter Semester														
Chair and Department of Hygiene	8		35											
Summer Semester														
TOTAL per year: 43														
Chair and Department of Hygiene	8		35											
Educational objectives (max. 6 items)														
C1. Basic knowledge of healthy lifestyle, work and learning, hand hygiene.														
C2. To provide the students with knowledge of basic concepts in epidemiology, types of epidemiological phenomena and methods of examining them. Acquiring the ability of epidemiological study design, analyzing of epidemiological data and the use of epidemiological information for the evaluation of population health status.														
C3. To understand the epidemiology of contagious and non-contagious diseases, principles of conducting an epidemiological inquiry and surveillance, and how to plan actions in the scope of disease prevention and health promotion.														
C4. To make students aware of health risks (for patients and medical staff) related to health care settings.														
C5. To understand the principles of nutrition and food hygiene. Knowledge of nutritional deficiencies and the importance of diet for the health. Food-borne diseases.														
C6. Knowledge of environmental hygiene (in the place residence, work and education), mental hygiene (stress and coping with it, sleep hygiene, addictions), childhood and adolescent hygiene, hygiene of aging, and tropical medicine and hygiene.														
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class														
Number of course education result	Number of major	Student who completes the module/course knows/is able to							Methods of verification of intended education		Form of didactic class			



	education result		results (forming and summarising)	**enter the abbreviation
W 01	G.W1	Know how to assess the health status of individuals and populations, describes the demographic structure of the population, on that basis identifies the health problems of the population; defines risk, is able to assess epidemiological status of a country.	Presentation Written tests Self-study Exam	L, AC
W 02	G.W2	Is able to design epidemiological study its aims, Rather information on diseases and plans preventive measures. Is able interpret statistical data and knows how to use statistical data. Knows the principles of health promotion, defines the objectives of primary and secondary prevention.	Presentation written test self-study exam	L, AC
W 03	G.W3	Knows how to construct simple programmes and recommendations to promote health, according to the needs of the diagnosed epidemiological problems.	Presentation Written tests Self-study Exam	L, AC
W 04	G.W5	Defines the objectives of primary and secondary prevention, knows how to construct simple programs and recommendations for health promotion and selected specifically to the needs of epidemiological problems diagnosed.	Presentation Written tests Self-study Exam	L, AC
W 05	G.W13	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.	Presentation Written tests Self-study Exam	L, AC
W 06	G.W19	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.	Presentation Written tests Self-study Exam	L, AC
U 01	G.U1	Uses various demographic sources, describes the demographic structure of the population, on that basis identifies the health problems of the population.	Presentation Written tests Self-study Exam	AC
U 02	G.U2	Collects information on the presence of risk factors of infectious and chronic diseases and plans preventive actions at different levels of prevention. Gathers information on the environmental exposure to health disturbing factors (noise, exposure to toxins, heavy metals, vibration, etc.).	Presentation Written tests Self-study Exam	AC
U 03	G.U7	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.	Presentation Written tests Self-study Exam	AC

** 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: 5, Skills: 4, Social competences: not applicable

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



Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	43
2. Student's own work (self-study):	69,1
Total student's workload	112,1
ECTS points for module/course	4,0
Comments: not applicable	
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)	
<p>Lectures</p> <p>1,2. Environmental factors and epidemiology of infectious and other diseases. 3,4. Definitions, objectives and tasks of epidemiology. Epidemiological science branches. 5,6. Environmental epidemiology. Types of epidemiological studies. Causal inference. Measuring risk and risk assessment methods. Standardization. 7,8. Epidemiology of infectious diseases. Epidemiology of nosocomial infections. Proceedings in the outbreak of the epidemic.</p>	
Seminars - not applicable	
<p>Auditorial classes</p> <p>1,2. Principles of food hygiene. Energy demand, primary and secondary metabolism - calculation of the energy requirement of students. 3,4. Disorders of the nutritional status. 5,6. 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. 7,8. The principles of health promotion and disease prevention. Macroeconomic aspects. 9,10. Hygiene from childhood to elderliness 11,12. Hand hygiene. Cleaning and disinfection. Disease of dirty hands - exercises using UV lamp. 13,14. Nosocomial infections - epidemiology. Hygiene measures for health professions workforce. Occupational hazards and exposures in health care facilities. 15,16. 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. 17,18,19. Mental hygiene, its sources and ways of elimination; sleep hygiene; addictions. Social diseases: nicotine addiction, alcoholism, drug addiction (recognition, health effects, treatment and prevention). 20,21,22. Occupational hazards to health (physical, chemical, biological); risk assessment. 23,24,25. Occupational hazards at health care workplaces 26,27,28. Sick buildings syndrome. 29,30,31. Prevention and epidemiology of cardiovascular disease. Cardiovascular disease risk factors. 32,33,34. Occupational health and safety. Personal protection devices. Elements of ergonomics 35. Classes allowing individual catch up due to absenteeism student.</p>	
Other - not applicable	
<p>Basic literature (list according to importance, no more than 3 items)</p> <p>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</p>	
<p>Additional literature and other materials (no more than 3 items)</p> <p>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</p>	
<p>Didactic resources requirements (e.g. laboratory, multimedia projector, other...)</p> <p>Multimedia projector, projection screen, internet access, flipchart</p>	
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course)</p> <p>Basic knowledge of the medical statistics. Knowledge of human physiology and biology, basic knowledge of medical biochemistry.</p>	



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:

Completion exercises - assessed individual activity, relationship to the subject and teaching staff, and colleagues;
Two written tests passed – each with 3 drawn questions concerning the issues raised in the exercise;
Completion test of lectures topics;
Presence on 13 auditorial exercises 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 - both components must be passed - 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. Mikulicza-Radeckiego street, 50-345 Wrocław
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E: wl-10@umed.wroc.pl

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.

full name	degree/scientific or professional title	discipline	performed profession	form of classes
Krystyna Pawlas	PhD, Prof	medical biology	university teacher, health sciences	lecture and classes
Agata Kawalec	Doctor	medicine	PhD student	classes
Anna Kawalec	Lekarz	medicine	PhD student	classes
Małgorzata Chowaniec	Lekarz	medicine	PhD student	classes
Jerzy Błaszczuk	PhD, Dr hab.	medicine	university teacher, physician	classes



Date of Syllabus development

30 July, 2017

Syllabus developed by

Krystyna Pawlas, Prof. PhD

Signature of Faculty Dean

Wrocław Medical University
FACULTY OF MEDICINE
VICE-DEAN FOR STUDIES IN ENGLISH

Prof. Andrzej Hendrich, PhD

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


prof. dr hab. Krystyna Pawlas

