



Distance learning (asynchronous)		35											90	
TOTAL per year:														
Direct (contact) education														
Online learning (synchronous)														
Online learning (asynchronous)		35											90	
Educational objectives (max. 6 items) C1. Familiarity with basics of hygienic way of life, studying and work, hand hygiene. C2. Familiarity with basics of epidemiology, population health status indicators, kinds of epidemiological studies, deriving conclusions from epidemiological observations. C3. Familiarity with importance of health promotion and illness prophylaxis in public health, importance of vaccination. Familiarity and understanding phenomena belonging to environmental health and environmental epidemiology (dose-effect, dose-response relationship; risk assessment). C4. Familiarity with infectious and civilization-related diseases (including caries, circulatory system diseases, cancer) - in the whole world and in Poland. C5. Familiarity with demographic indicators, their connection to health phenomena in populations and enforcing prophylactic measures. C6. Familiarity with health-driven diet and importance of diet in diseases prophylaxis and development (especially oral diseases).														
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 education result	Student who completes the module/course knows/is able to					Methods of verification of intended education results (forming and summarising)					Form of didactic class <i>**enter the abbreviation</i>		
K 01	G.W1.	Is able to determine the indicators of the state of population health and the principles of their assessment					During the oral answers, presentations, written tests and exam student can explain indicated issues eg. determine the rules of the status of population health and calculate metrics eg. the incidence of disease, mortality rates, prevalence of diseases and disability /for given data/.					SE		
K 02	G.W3.	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.					During the oral answers, presentations, written tests and exam student can explain indicated issues eg. discusses and / or recognizes examples of primary and secondary prevention;					SE		



			explains the importance of nutrition and lifestyle in the prevention and development of diseases.	
K 03	G.W4.	Knows the basic concepts related to health, lifestyle and health of the population	During the oral answers, presentations, written tests and exam is able to define the basic concepts related to health, knows how to indicate the relationship between nutrition, lifestyle and the state of health of people	SE
K 04	G.W5.	Is able to determine the health needs of society. Describes the demographic structure of the population, on that basis identifies the health problems of the population, defines risk, defines the disease risk and health needs of the population	During the oral answers, presentations, written tests and exam can explain indicated issue, e.g. determine what factors determine the state of health of the population, prevalence of diseases and health needs of the population	SE
K 05	G.W6.	Knows the health situation in the Republic of Poland and the world	During the oral answers, presentations, written tests and exam is able to describe the health situation and epidemiology of infectious and non-infectious diseases in Poland and in the world	SE
K 06	G.W13.	Knows the etiology of occupational diseases, including those related to the profession of dentist	During the oral answers, presentations, written tests and exam is able to explain the indicated issue, e.g. health threats related to the performance of specific professions	SE
K 07	G.W19.	Is able to determine the principles of occupational health and safety of a dentist	During the oral answers, presentations, written tests and exam is able to explain the indicated	SE



			issue, e.g. defines the causes and effects of hospital infections, provides principles and stages of hygienic hand washing and disinfection as well as the most common mistakes, principles of waste disposal; gives the principles of prevention at the dentist's workplace	
K 08	G.W20.	Knows the rules of dealing with an epidemiological emergency, can interpret the data, provide conclusions, and define the objectives of surveillance and epidemiological control.	During the oral answers, presentations, written tests and exam student can explain indicated issues eg. interpret the given data, provide conclusions, and define the objectives of surveillance and epidemiological control.	SE
S 01	G.U1	Uses demographic sources. Is able to analyze population health data and epidemiological data and determine the health of the population based on it. On the basis on the source data calculates measures of population health.	During the oral answers, presentations, written tests and exam calculates measures of population health, gives interpretations of obtained results, provides conclusions	SE
S 02	G.U12.	Is able to recognize harmful and arduous factors in the workplace, residence or study	During oral answer, cards and written tests and during the exam, describes, lists harmful and arduous factors in the human environment	SE
S 03	G.U14.	Is able to confirm and exclude the relationship of environmental risk factors with the etiology of the disease, including occupational diseases	During written tests and exam and during classes, the student is able to indicate the risk factors for diseases and estimates the risk	SE
S 04	G.U15.	Knows the principles of oral health prevention and promotion, knows how to provide the patient with the necessary information in the field of oral health prophylaxis	During the oral answers, presentations, written tests and exam gives the principles of prophylaxis and health promotion in the oral cavity	SE



S 05	G.W18.	Is able to design epidemiological study, its aims, collect information on the risk factors for infectious and chronic diseases. Plans preventive activities at different levels of prevention.	During the oral answers, presentations, written tests and exam student can explain indicated issues eg. on the basis of the given data and the indicated research purpose, it is able to plan an appropriate epidemiological study.	SE
S 06	G.W21.	Knows the principles of work with biological and infectious material, knows hospital hygiene and management of medical waste	During the oral answers, presentations, written tests and exam student can explain indicated issues eg. identifies the causes and effects of nosocomial infections, discusses the rules and stages of hygienic and surgical hand washing as well as the most common mistakes made, discusses the rules for the utilization of hospital waste. On practical exercises; is able to perform the correct procedure for washing/disinfect hands.	SE
C 01		Create pro-health behaviors, actively participates in didactic process and different forms of activities: discussion, presentation preparation, group work.	The student shows a pro-health attitude, actively participates in different forms of activities / observation of the student's attitude/.	SE

** 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: 4

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	0
2. Online learning hours (e-learning):	35
3. Student's own work (self-study):	90



Total student's workload	125
ECTS points for module/course	3,0
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	
<ol style="list-style-type: none"> 1. Hygiene and health promotion, aims and tasks of epidemiology. Epidemiological sciences. Population health indicators. Demographic phenomena. 2. Types of epidemiological studies (descriptive, analytical, ecological, clinic-control, cohort, case studies). 3. Epidemiology and prophylaxis of caries and other oral diseases. 4. Epidemiology of selected non-infectious diseases (cancers, circulatory system diseases - caries and periodontal disease as a risk factors). 5. Basic rules of food hygiene and diet. Calculating of energetic demand. Basic metabolism, activity-related metabolism. Nutrients' role. Diet as prevention and development factor of oral diseases. 6. Mental hygiene, its sources and ways of elimination; sleep hygiene; addictions. Social diseases: nicotine addiction, alcoholism, drug addiction (recognition, health effects, treatment and prevention). 7. 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. 8. Environmental epidemiology. Environment and health. Exposure and dose. Dose-effect and dose-response relationship, risk assessment. Specific factors in environmental epidemiology and occupational medicine. 9. Exercises in using medical literature. Lifestyle and diet. Independent acquiring and presentation of knowledge concerning diet, hygiene and prophylaxis. 10. Epidemiology of infectious diseases. 11. Colloquium. 12. Indoor air pollutions. Housing-environment. Environmental health hazards at home and work. Sick Building Syndrome and Building Related Illness. 13. Occupational diseases, including those related to the profession of dentist 14. Workplace hygiene guidelines for medical occupations - especially in the dental office. Hands hygiene. Washing and disinfection of hands. "Dirty hands diseases 15. Making up failed colloquia and missing classes. 	
Practical classes – not applicable	
Other – not applicable	
Basic literature (list according to importance, no more than 3 items)	
<ol style="list-style-type: none"> 1. Bonita R, Beaglehole R, Kjellström T. <i>Basic Epidemiology</i>. 2 ed. Geneva: World Health Organization; 2006 [Available from: http://whqlibdoc.who.int/publications/2006/9241547073_eng.pdf] 2. Dietz E, Badavinac R. <i>Safety Standards and Infection Control for Dental Hygienist</i> Albany, NY: Delmar; 2002 3. Chattopadhyay A. <i>Oral Health Epidemiology. Principles and Practice</i>. Sudbury, MA: Jones & Bartlett Publishers; 2011 	
Additional literature and other materials (no more than 3 items)	
<ol style="list-style-type: none"> 1. <i>Atlas of Health in Europe</i>. 2 nd ed. Copenhagen: WHO Regional Office for Europe; 2008 2. Hill MK. <i>Understanding Environmental Pollution</i>. 3rd ed. Cambridge: Cambridge University Press; 2010 3. CM Marya. <i>A Textbook of Public Health Dentistry First Edition</i>: Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, India, 2011 	
Didactic resources requirements (e.g. laboratory, multimedia projector, other...)	
Exercise room equipped with multimedia projector and portable computer.	



Preliminary conditions (minimum requirements to be met by the student before starting the module/course) Basic knowledge in the fields: Human anatomy, Basic medical chemistry, Public health.
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) <ol style="list-style-type: none"> 1. Presence in all of seminars, alternatively: studying independently missing topics and making up the missing classes (no more than 2). 2. Active participation in seminars and group-work. 3. Positively passing all unannounced short tests during seminars. 4. Positively passing written colloquia - open questions; open answers questions demanding: naming, defining, explaining, filling in; problem tasks; calculation tasks; interpreting calculation results and external data. 5. Preparing and presenting at least 1 presentation concerning assigned topic. 6. Exam: written form - test.

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	At least 90% correct test questions answers. Very good mastering of topics covered in seminars and by basic and additional sources. Unrestrained covering problems of social dentistry, hygiene and epidemiology. Good understanding and diligent explaining of interactions and connections between determined (risk) factors and health phenomena.
Good Plus (4.5)	At least 85% correct test questions answers. Very good mastering of topics covered in seminars and by basic and additional sources. Good understanding problems of social dentistry, hygiene and epidemiology. Proper interpretation of external data and fluent solving problems and fulfilling tasks.
Good (4.0)	At least 75% correct test questions answers. Good mastering of topics covered in seminars and by basic and additional sources. Proper interpretation of external data and solving of most problems and fulfilling most tasks.
Satisfactory Plus (3.5)	At least 70% correct test questions answers. Good mastering of topics covered in seminars and by basic sources. Interpretation of external data and solving basic, simple problems and fulfilling basic, simple tasks.
Satisfactory (3.0)	At least 60% correct test questions answers. Sufficient mastering of topics covered in seminars and by basic sources. Solving basic, simple problems and fulfilling basic, simple tasks.
Unit realizing the subject	Chair and Department of Hygiene, Faculty of Medicine, Wrocław Medical University
Unit address	7 J. Mikulicza-Radeckiego street, 50-345 Wrocław
Telephone	T: +48 71 7841502, F: 71 7841503
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Person responsible for module/Coordinator	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
Robert Susło	doctor	medical sciences	academic teacher	seminars

Date of Syllabus development

29.05.2020

Syllabus developed by

Krystyna Pawlas, Prof., PhD
Iwona Markiewicz-Górka, PhD

Signature of Head of teaching unit

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Signature of Faculty Dean

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