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| **Syllabus 2020/2021****training cycle: 2019/2020-2023/2024** |
| **Description of the course** |
| **Module/Course** | **SOCIAL DENTISTRY** |
| **Faculty** | Dentistry |
| **Major**  | Dentistry |
| **Specialties** | Not applicable |
| **Level of studies** | Uniform magister studies **X**\*1st degree studies 2nd degree studies 3rd degree studies postgraduate studies  |
| **Form of studies** | **X** full-time **X** part-time |
| **Year of studies**  | **II** | **Semester** | **X** Winter Summer |
| **Type of course** | **X** obligatory limited choice free choice / elective  |
| **Course** |  major **X** basic |
| **Language of instruction** |  Polish **X** English other |
| \* mark 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** |
|  |  | 35 |  |  |  |  |  |  |  |  |  |  | 90 |  |
| **Summer Semester** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL per year:** |
|  |  | 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*\*\*enter the abbreviation* |
| **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; explains the importance of nutrition and lifestyle in the prevention and development of diseases. | **SE** |
| **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 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 | **SE** |
| **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: 5Skills: 4Social 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: | 35 |
| 2. 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**1. Hygiene and health promotion, aims and tasks of epidemiology. Epidemiological sciences. Population health indicators. Demographic phenomena. (2 lesson hours =1h 30 min)
2. Types of epidemiological studies (descriptive, analytical, ecological, clinic-control, cohort, case studies).
3. Epidemiology and prophylaxis of caries and other oral diseases. (2 lesson hours =1h 30 min)
4. Epidemiology of selected non-infectious diseases (cancers, circulatory system diseases - caries and periodontal disease as a risk factors. (2 lesson hours =1h 30 min)
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. (2 lesson hours =1h 30 min)
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). (2 lesson hours =1h 30 min)
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. (2 lesson hours =1h 30 min)
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. (2,3 lesson hours =1h 30 min)
9. Exercises in using medical literature. Lifestyle and diet. Independent acquiring and presentation of knowledge concerning diet, hygiene and prophylaxis. (3 lesson hours =2h15min)
10. Epidemiology of infectious diseases. (2 lesson hours =1h 30 min)

Colloquium. (3 lesson hours =2h15min)1. Indoor air pollutions. Housing-environment. Environmental health hazards at home and work. Sick Building Syndrome and Building Related Illness. (2 lesson hours =1h 30 min)
2. Occupational diseases, including those related to the profession of dentist (2 lesson hours =1h 30 min)
3. Workplace hygiene guidelines for medical occupations - especially in the dental office. Hands hygiene. Washing and disinfection of hands. “Dirty hands diseases” - exercises using lamps. (3 lesson hours =2h 15 min)
4. Making up failed colloquia and missing classes. (4lesson hours =3h)
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| **Practical classes –** not applicable |
| **Other** – not applicable |
| **Basic literature** (list according to importance, no more than 3 items)1. Bonita R, Beaglehole R, Kjellström T. Basic Epidemiology. 2 ed. Geneva: World Health Organization; 2006 [Available from: <http://whqlibdoc.who.int/publications/2006/9241547073_eng.pdf>]2. Dietz E, Badavinac R. *Safety Standards and Infection Control for Dental Hygienist*Albany, NY: Delmar; 20023. Chattopadhyay A. *Oral Health Epidemiology. Principles and Practice*. Sudbury, MA: Jones & Bartlett Publishers; 2011**Additional literature and other materials** (no more than 3 items)1. *Atlas of Health in Europe.* 2 nd ed. Copenhagen: WHO Regional Office for Europe; 20082. Hill MK. *Understanding Environmental Pollution*. 3rd ed. Cambridge: Cambridge University Press; 20103. CM Marya. A Textbook of Public Health Dentistry First Edition: 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 med by the student to pass it and criteria for specific grades)IMPORTANT! Class attendance cannot be a condition for passing the subject.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.
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| **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. |
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| **Name and address of module/course teaching unit, contact: telephone and e-mail address****Chair and Department of Hygiene, Faculty of Medicine, Wroclaw Medical University****7 J. Mikulicza-Radeckiego street, 50-345 Wroclaw****T: +48 71 7841502, F: 71 7841503****E:** wl-10@umw.wroc.pl**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**Prof. dr hab. Krystyna Pawlas **T: +48** 71 784 15 01E: krystyna.pawlas@umed.wroc.pl**List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.

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| **full name** | **degree/scientific or professional title** | **discipline** | **performed profession** | **form of classes** |
| Robert Susło | doctor | medical sciences | academic teacher | seminars |

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 29.05.2020 | Krystyna Pawlas, Prof., PhD Iwona Markiewicz-Górka, PhD |
| **Signature of Head of teaching unit** |
| Krystyna Pawlas, Prof., PhD |

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