



Social Dentistry

1. IMPRINT	
Academic Year	2024/2025
Department	Faculty of Dental Medicine
Field of study	English Dentistry Division
Main scientific discipline	Medical sciences
Study Profile	general academic
Level of studies	Uniform MSc
Form of studies	Full-time program
Type of module / course	Obligatory
Form of verification of learning outcomes	Exam
Educational Unit / Educational Units	Department of Social Medicine and Public Health Medical University of Warsaw Pawińskiego Str, 3a, 02-106 Warsaw
Head of Educational Unit / Heads of Educational Units	Professor Aneta Nitsch-Osuch, MD, PhD
Course coordinator	Professor Aneta Nitsch-Osuch, MD, PhD msizp@wum.edu.pl anna.jagielska@wum.edu.pl
Person responsible for syllabus	Anna Jagielska, MD, PhD – anna.jagielska@wum.edu.pl
Teachers	Irena Kosińska, MSc, PhD – irena.kosinska@wum.edu.pl Anna Jagielska, MD, PhD – anna.jagielska@wum.edu.pl Katarzyna Lewtak, DMD, PhD – katarzyna.lewtak@wum.edu.pl Aleksandra Kozłowska, MD, PhD – aleksandra.kozlowska@wum.edu.pl

2. BASIC INFORMATION

Załącznik nr 4C do Procedury opracowywania i okresowego przeglądu programów studiów
(stanowiącej załącznik do zarządzenia nr 68/2024 Rektora WUM z dnia 18 kwietnia 2024 r.)

Year and semester of studies	I year, I semester	Number of ECTS credits	2,5
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		7 (e-learning)	0,3
Seminar (S)		14	0,6
Classes (C)		14	0,6
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		25	1,0

3. COURSE OBJECTIVES

O1	To gain knowledge of current problems of social dentistry as an element of social medicine, with particular emphasis on aspects related to the epidemiology of infectious and non-infectious diseases, hygiene in the dental office, lifestyle medicine (nutrition, physical activity, stimulants), current environmental threats.
O2	Preparation for the ability to conduct health promotion activities.
O3	Gain skills in counseling for the prevention of chronic non-communicable diseases and the prevention and reporting of communicable diseases, planning surveys, interpreting results, and using statistical methods.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING

Code and number of the effect of learning in accordance with standards of learning	Effects in the field of: <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>
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Knowledge – Graduate* knows and understands:

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B.K21.	Principles of metabolism and nutrition
E.K18.	Impact of nutrition and alcohol and other psychoactive substances addictions on the development of the fetus in pregnant women
E.K19.	Principles of dental care for pregnant women
G.K2.	Concepts and models of health promotion
G.K3.	Basic concepts regarding prevention, health promotion, and environmental hygiene as well as concepts related to individual health, health of the population, and lifestyles
G.K4.	Methods of determining the health needs of the society
G.K5.	Health situation and healthcare policy strategy in the Republic of Poland, European Union and worldwide
G.K10.	Aetiology of occupational diseases as defined by law, including those related to the practice of dentistry
G.K11.	Indicators of population health status and principles of epidemiological assessment of population health status
G.K12.	Principles of planning and evaluation of preventive actions
G.K13.	Principles of epidemiological development of an infectious disease outbreak and principles of management in the situation of an epidemiological emergency

Skills– Graduate* is able to:

D.S1.	Consider the patient’s subjective needs and expectations arising from socio-cultural conditions in the therapeutic process
D.S10.	Take actions to improve the patient’s quality of life and prevent its future deterioration
G.S1.	Analyse data on the health status of the population, epidemiological data and use them to determine the health status of the population and predict the impact of selected health phenomena and problems on the functioning of the healthcare system
G.S2.	Assess the scale of health problems and indicate health priorities and determine their significance in health policy
G.S3.	Analyse the determinants of the epidemiological situation in terms of social and demographic processes and quality of life - general and related to oral health
G.S4.	Develop simple oral health prevention and promotion programmes
G.S5.	Plan prophylaxis and health promotion activities and implement population health promotion activities
G.S9.	Provide the patient with the necessary information on oral health promotion, risk factors and ways to prevent the most common social diseases
G.S10.	Interpret basic epidemiological indicators, define, and evaluate the reliability and accuracy of tests used in screening
G.S11.	Explain the differences between prospective and retrospective, randomised and case-controlled studies, case reports and intervention studies and rank them according to the reliability and quality of the scientific evidence

* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

5. ADDITIONAL EFFECTS OF LEARNING (non-compulsory)

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Number of effect of learning	Effects in the fields of:
Knowledge – Graduate knows and understands:	
K1	the importance of health education for the health of the population and the individual
Skills– Graduate is able to:	
S1	educate patients about healthy lifestyle principles
S2	educate patients about the impact of the environment on health
Social Competencies – Graduate is ready for:	
SC1	take responsibility for the health of populations and individuals

6. CLASSES		
Form of class	Class contents	Effects of Learning
Lectures	L1 Social Dentistry as a part of Social Medicine. <i>The aim of the lecture is to present the importance and tasks of Social Medicine and Social Dentistry for the health of the population and to introduce the topics of the taught subject.</i>	G.K3., G.K4., K1
	L2 - Health promotion theory. <i>The aim of the lecture is to present the history and current situation of health promotion in the world and in Poland.</i>	G.K2., G.K3.
	L3 - Basics of environmental hygiene: water, soil, air - current threats, with particular emphasis on aspects important to the dentist. <i>The purpose of this lecture is to present the importance of the habitat for population health and oral health.</i>	G.K3., G.K4., S2
	L4 - Oral health and general health. <i>The purpose of this lecture is to present the impact of oral diseases on human health, including the risk of non-communicable diseases.</i>	B.K21., E.K18., G.K11.
	L5 - Epidemiology of non-communicable diseases (Poland, Europe, world) <i>The aim of the lecture is to present the current epidemiological situation of non-communicable diseases.</i>	B.K21., E.K18., E.K19., G.K5., K1
	L6 - Basics of sanitary-epidemiological surveillance in Poland - in the aspect of dentist's work. <i>The aim of the lecture is to present the principles of surveillance of infectious diseases taking into account the specificity of the dentist's out-patient clinics.</i>	G.K10., G.K11., G.K12., G.K13.
	L7 - Basic epidemiological concepts and definitions (epidemic, endemic, pandemic, outbreak, incidence, prevalence, morbidity, mortality). <i>The purpose of this lecture is to explain epidemiological terms.</i>	G.K10., G.K11., G.K12., G.K13.
	L8 - Current demographic and epidemiological situation of Poland as a determinant of health needs of the society. <i>The aim of the lecture is to present current data on the Polish population and the demand for particular specialist services.</i>	G.K4., G.K5., G.K11., G.K12., G.K13.

Seminars	S1 -Health consequences of addictions (cigarettes, alcohol), use of stimulants in the practice of dentists <i>The aim of the seminar is to discuss the effects of stimulants on human health and the risk of addiction in the aspect of work.</i>	G.K3., G.K4., D.S1., D.S10., G.S2., S1
	S2 - Current situation of infectious diseases in Poland and in the world. <i>The aim of the seminar is to discuss the prevalence of infectious diseases that pose a major threat to the health and life of the population, including patients.</i>	G.K11., G.K13., G.S1.
	S3 - Oral health on the basis of epidemiological studies in Poland. <i>The aim of the seminar is to present current data on the prevalence of oral diseases in the Polish population by age and/or gender.</i>	G.K5., G.K11., G.K12.,G.S2., G.S3.
	S4 - Water quality and health; water in dental practice - hygienic and epidemiological aspects; fluoride - Facts and Myths. <i>The aim of this seminar is to discuss the importance of water quality and fluoride for human health.</i>	G.K3., G.K4., D.S1., D.S10., S2
	S5 - Nutrition and oral health. The role of nutrition in the prevention of dental and periodontal disease. Diet and development of oral cavity. <i>The aim of the seminar is to present the influence of nutrition on the condition of human oral cavity.</i>	B.K21., E.K18., E.K19., G.K3., G.K4., G.K12., D.S1., D.S10., S1, SC1
	S6- The role of nutrition during pregnancy. Lifestyle medicine in the prevention of noncommunicable diseases. The role of proper nutrition and physical activity. <i>The aim of the seminar is to present the influence of nutrition on human health.</i>	B.K21., E.K18., E.K19., G.K3., G.K4., G.K12., D.S1., D.S10., S1, SC1
	S7 - Effects of environmental factors on human and population health. <i>The aim of the seminar is to present the impact of the environment, including pollution, on human health and the risk of chronic diseases.</i>	G.K3., G.K4., G.K10., G.K11., D.S1., D.S10., G.S10.,
	S8 - Environment and oral health: metals and other xenobiotics, amalgams - safety and risks. <i>The purpose of this seminar is to discuss the dangers of metals and other substances found in the patient's environment.</i>	G.K3., G.K4., G.K10., G.S9.
	S9 - Health Promotion in practice. <i>The aim of the seminar is to present practical aspects of Health Promotion.</i>	G.K3., G.K4., G.S5.
	S10 -Health programs, health policy programs. <i>The purpose of this seminar is to discuss existing health promotion programs with special emphasis on the role of dentists.</i>	G.K3., G.K4., G.S4., G.S5.
	S11 - The dental out-patient clinic as a link in the epidemiological chain. <i>The purpose of this seminar is to discuss the risks associated with the emergence of infectious disease cases in a specialty practice setting.</i>	G.K13., G.S10., G.S11.
	S12 - Aseptics and antiseptics in the dental office. Causes of infections in dental practices and infection prevention. <i>The aim of the seminar is to present the principles of prevention of infectious diseases in the aspect of work of a dentist.</i>	G.K10., G.K12., G.S10., G.S11.
	S13 - New and re-emerging infectious diseases. <i>The purpose of this seminar is to discuss current infectious disease threats worldwide.</i>	G.K5., G.K11., G.K13., D.S1., G.S1., G.S2., G.S5.
	S14 -Vaccination as the primary form of prevention of infectious diseases. Anti-vaccine movements as a potential health threat to individual patients and populations. <i>The purpose of this seminar is to present the benefits of vaccination to the health of the individual and the patient at large, with a particular focus on the occupational exposure of dentists.</i>	G.K5., G.K11., G.K13., D.S1., G.S1., G.S2., G.S5.
	S15 – S16 Introduction to epidemiology. Types of epidemiological studies. Types of epidemiological phenomena and methods of their study. <i>The aim of the seminar is to discuss the use of epidemiological research in medical science.</i>	G.K13., G.K13., G.S10., G.S11.

Classes	C1 - Healthy lifestyle in everyday practice of a dentist. Critical reading of the literature. <i>The aim of the classes is to consolidate the knowledge acquired in lectures and seminars on healthy lifestyle while developing recommendations for selected patient cases</i>	D.S1., D.S10., G.S1., G.S2., G.S4.
	Methods of assessing nutritional status in practice as a means of monitoring health status. Evaluation of body composition with the use of the Tanita apparatus <i>The aim of the classes is to consolidate the knowledge acquired during lectures and seminars on nutrition while performing anthropometric examinations, with particular emphasis on the influence of abnormal nutritional state on the prognosis of patients undergoing dental treatment, as well as in terms of the dentist's health.</i>	D.S1., D.S10., G.S1., G.S2., G.S4.
	C3 - Identification of environmental risk factors - medical history, dental office environment. Finding reliable sources of information, interpreting the results. The aim of the classes is to consolidate the knowledge acquired in lectures and seminars on hazards in the workplace of dentists.	G.K3., G.K4., G.K10., G.S10., G.S11.
	C4 - Assessment of indoor air purity (including dental out-patient clinic) by sedimentation method. The aim of the classes is to consolidate the knowledge acquired in lectures and seminars on the importance of air quality for the health of medical workers by conducting laboratory tests.	G.K3., G.K4., G.K10., G.S10., G.S11.
	C5 - Dental practitioner workplace hazards (body position, ultraviolet light, mechanical vibration, noise, crystalline silica, aluminum, nickel and chromium compounds, beryllium, ethylene oxide, latex and others). The aim of the classes is to continue the knowledge acquired in lectures and seminars on the risks associated with occupational exposure of dentists.	G.K3., G.K4., G.K10., G.S10., G.S11.
	C6 - Recognition and reporting of occupational diseases. <i>The aim of the classes is to consolidate the knowledge acquired in lectures and seminars on occupational diseases by practicing the procedures of reporting occupational diseases.</i>	G.K3., G.K4., G.K10., G.S10., G.S11.
	C7 - Building health policy programs. <i>As part of the classes, EDD students propose health care plans acquiring the skills to create them properly and consolidating the knowledge gained in lectures and seminars.</i>	G.K2., G.K3., G.K4., D.S1., G.S1., G.S2., G.S15.
	C8 - Methods of preventing infectious diseases at the population level. Reporting infectious diseases in the dentist's practice. <i>The aim of the exercises is to consolidate the knowledge acquired during lectures and seminars about infectious diseases by practicing the procedures for reporting infectious diseases.</i>	G.K12., G.K13., D.S1., D.S10., G.S5., G.S10., G.S11.
	C9 Development of an epidemic outbreak. <i>The aim of the exercises is to consolidate the knowledge acquired in lectures and seminars on infectious diseases by developing a case of an epidemic outbreak of an infectious disease.</i>	G.K12., G.K13., D.S1., D.S10., G.S5., G.S10., G.S11.
	C10-C12 Epidemiology in practice: study planning, interpretation of results, use of statistical methods, interpretation of results. <i>The aim of the classes is to consolidate the knowledge acquired in lectures and seminars on epidemiological research by creating scientific research programs aimed at prevention and treatment of oral diseases.</i>	G.K12., G.K13., D.S1., D.S10., G.S5., G.S10., G.S11.
C13-C15 Selection and interpretation of screening tests. <i>The aim of the classes is to consolidate the knowledge acquired in lectures and seminars on screening by acquiring the skills to create screening programs.</i>	G.K12., G.K13., D.S1., D.S10., G.S5., G.S10., G.S11.	

7. LITERATURE
Obligatory
<p>Friedman G.D. Primer of Epidemiology. McGraw-Hill, New York (available in the Institute)</p> <p>2. Jędrychowski W, Muger U. Epidemiologic methods in studying chronic diseases. International Center for Studies & research in Biomedicine, Luxembourg 2000.</p> <p>3. Gerald van Belle, Lloyd D. Fisher, Patrick J. hearty, Thomas S. Lumley. Biostatistics: A methodology for health sciences. 2nd Edition, August 2004.</p> <p>4. Ahrens W., Pigeot I. Hanbook of Epidemiology. Springer-Verlag, Berlin, Heilderberg 2005 (selected chapters)</p> <p>5. Shills ME et al. Modern nutrition in health and disease, LWW 2010</p> <p>6. Gibney MJ et al. Introduction to Human Nutrition, Wiley-Blackwell 2009</p> <p>7. Escott – Stump S, Nutrition and Diagnosis-related care, LWW 2007</p> <p>8. Rom WN, Environmental and occupational medicine, LWW 2006</p> <p>9. Levy BS, Occupational and environmental health, LWW 2005</p> <p>10. www.who.org</p> <p>11. Polish Journal of Nutrition</p> <p>12. American Journal of Preventive Medicine</p>
Supplementary
<p>1. https://www.who.int/</p> <p>2. https://www.ecdc.europa.eu/en</p> <p>3. https://www.cdc.gov/</p>

8. VERIFYING THE EFFECT OF LEARNING		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
B.K21., E.K18., E.K19., G.K2., G.K3., G.K4., G.K5., G.K10., G.K11., G.K12., G.K.13., K1	Participation in e-learning lectures. Solving quizzes and test. Obtaining a certificate.	100% attendance
B.K21., E.K18., E.K19., G.K2., G.K3., G.K4., G.K10., D.S1., D.S10., G.S1., G.S2., G.S3., G.S4., G.S5., G.S9., G.S10., G.S11., S1, S2, SC1	Attendance at all seminars. Active participation in the seminars	Completion of tasks to be developed in at least 61%, which is tantamount to a positive rating.
G.K2., G.K3., G.K4., G.K10., D.S1., D.S10., G.S1., G.S2., G.S3., G.S4., G.S5., G.S9., G.S10., G.S11., S1, S2, SC1	Passing practical classes during the exercises. Positive assessment of acquired skills and competences obtained from the class leader – report from the exercise. Preparation and presentation of a presentation on a given topic related to health promotion.	Completion of tasks to be developed in at least 61%, which is tantamount to a positive rating.
B.K21., E.K18., E.K19., G.K.2., G.S3., G.S4., G.K5., G.K10., G.K11., G.K12., G.K.13., K1, D.S1., D.S10., G.S1., G.S2., G.S3., G.S4., G.S5., G.S9., G.S10., G.S11. S1, S2, SC1	The final written exam, including the content of lectures, seminars and exercises.	Single-choice test with 50 questions. Examination time is 60 minutes. To pass a student needs to score at least >61% correct answers (out of 50). Assessment Criteria 2. 0 (failed) <31 points. 3. 0 (satisfactory) 31-37 points 3. 5 (satisfactory +) 38-40 pts

		4. 0 (good) 41-42 pts 4,5 (good +) 43-45 pts 5. 0 (very good) 46-50 pts
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9. ADDITIONAL INFORMATION

1. In the implementation of the course it is important to attend lectures, they present the latest scientific developments.
2. Person responsible for conducting the didactics: Anna Jagielska, MD, PhD, anna.jagielska@wum.edu.pl
3. Absences (excused) can be made up with another group by prior arrangement with the person in charge of teaching.
4. Conditions of conducting the exercises: punctuality, during the exercises it is forbidden to use mobile phones or recording meetings.
5. The final exam is conducted in the Winter session, the test consists of 50 questions, out of 5 answer choices only one is correct, obtaining more than 61% = 31 points or more is needed to pass the exam. A date of a retake exam is scheduled within the retake session.
6. The Department of Social Medicine and Public Health is affiliated with the Student Scientific Association of Hygiene and Prevention. Supervisor of SSA - Dr Irena Kosińska, e-mail: irena.kosinska@wum.edu.pl (environmental topics) and Dr Anna Jagielska, e-mail: anna.jagielska@wum.edu.pl and Students Scientific Association of Healthcare Management (contact to a scientific supervisor Dr Magdalena Bogdan: mbogdan@wum.edu.pl). Information about the SSA is available on the Department's website.

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ATTENTION

The final 10 minutes of the last class of the block/semester/year should be allotted for students to fill out the Survey of Evaluation of Classes and Academic Teachers