



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Social Dentistry 2023/2024	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year 2, semester IV
ECTS credits (incl. semester breakdown)	2 ECTS
Type/s of training	lectures 1h e-learning lectures 4h seminars 5h practical classes 15h
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Dr hab. n.med. Tomasz Olszowski
Tutor responsible for the module	Dr hab. n.med. Tomasz Olszowski, tomasz.olszowski@pum.edu.pl
Department's/ Clinic's/ Unit's website	Zakład Higieny i Epidemiologii PUM Ul Powstańców Wlkp 72 budynek MCD1 Szczecin Tel. 914661638 http://www.pum.edu.pl/wydzialy/wydzial-lekarski/zaklad-higieny-i-epidemiologii
Language	English

* replace into where applicable

Detailed information

Module objectives		The student knows the basic types of epidemiological research and indicators used to determine the health situation of the population, including oral health, knows the cultural, social and environmental threats to health, including oral health, has knowledge about the principles of operation and management of health care facilities, including dental care
Prerequisite /essential requirements	Knowledge	Student knows the basics of the functioning of the human body, knows the types of microorganisms
	Skills	Student has the ability to obtain and use information, identifies pathogenic microorganisms,
	Competences	Student works in a team, transfers acquired knowledge, has universal social communication skills

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	knows and understands state-of-the-art regarding social dimension of health and disease, influence of social environment (family, social relationship network), social inequalities and socio-cultural differences on health state, and role of social stress in health-related and self-destructive behavior	D.W1	K, O
W02	knows and understands social attitudes towards the importance of health, disease, disability and senility, social consequences of disease and disability, socio-cultural barriers, as well as concept of life quality conditioned by health state	D.W3	K, O
W03	knows and understands basic terms related to health, life style and health of population	G.W4	K, O
W04	knows and understands methods of identifying health needs of society	G.W5.	K,O
W05	knows and understands population health state indicators and rules of estimation thereof	G.W14.	K,W
W06	knows and understands rules of prevention of diseases and health improvement	G.W15.	K,W
W07	knows and understands rules of epidemiologic management of contagious disease focus	G.W16.	K,W
W08	knows and understands rules of planning and evaluation of prophylactic activities	G.W17.	PS
W09	knows and understands procedures applicable to epidemic hazards	G.W20.	K,W
U01	is able to plan work of dental team and equipment of dental office according to principles of ergonomics and work safety	D.U14	K,W
U02	is able to plan treatment in case of exposure to blood transmissible diseases	E.U6	K,W
U03	is able to diagnose diseases related to smoking habit, alcoholism and other addictions	E.U17	K,W
U04	is able to analyze data on health of population, epidemiological data and determine health of the population on their basis	G.U1.	K,W

U05	is able to describe selected health phenomena on population scale and predict their impact on the health care system functioning	G.U2.	K,W
U06	is able to appraise range of health related problems and identifies relevant priorities and estimates importance thereof to health policy	G.U3.	K,W
U07	is able to analyze epidemic conditions with regard to social and demographic processes	G.U4.	K,W
U08	can create simple research programs in field of prophylaxis and treatment	G.U5.	K,W
U09	is able to identify factors affecting national health policy	G.U6.	K,W
U10	is able to plan and implement promotion actions concerning population health	G.U7.	K,W
U11	is able to identify hazardous factors in place of work, residence and study	G.U12.	K,W
U12	is able to estimate hazards to health due to quality of air, water, soil and food	G.U13.	K,W
U13	is able to confirm or preclude relationship between environmental factors and etiology of disease inclusive of occupational disease	G.U14.	K,W
U14	is able to provide patients with information on hazards to and prevention of most common social diseases in Poland	G.U16.	K,W
U15	is able to interpret basic epidemiological indicators, defines and appraises reliability and relevance of tests used in screening examination	G.U17.	K,W
U16	can design epidemiologic study	G.U18.	K,W
U17	can conduct epidemiologic investigation	G.U19.	K,W
U18	is able to follow sanitary-epidemiological regulations and health and safety regulations at work	G.U21.	K,W
K01	is ready to establish and maintain deep and respectful contact with the patient as well as to show understanding for ideological and cultural differences	K.1.	O
K02	is ready to be guided by the patient wellbeing	K.2.	O
K03	is ready to respect physician-patient privilege and patient's rights	K.3.	O
K04	is ready to take activities towards patient on the basis of ethical principles with awareness of social conditions and disease restrictions	K.4.	O
K05	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	O
K06	is ready to propagate health-promoting behavior	K.6.	O
K07	is ready to use reliable sources of information	K.7.	O
K08	is ready to draw conclusions from own measurements or observations	K.8	O

Table presenting LEARNING OUTCOMES in relation to the form of classes								
No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning	Other...
W01	D.W1	x					x	
W02	D.W3	x					x	
W03	G.W4	x	x				x	
W04	G.W5.	x						
W05	G.W14.		x					
W06	G.W15.	x						
W07	G.W16.	x	x					
W08	G.W17.	x	x					
W09	G.W20.	x	x					
U01	D.U14	x	x					
U02	E.U6	x						
U03	E.U17	x	x	x				
U04	G.U1.		x					
U05	G.U2.	x	x	x				
U06	G.U3.		x	x				
U07	G.U4.		x	x				
U08	G.U5.		x	x				
U09	G.U6.	x	x					
U10	G.U7.	x		x				
U11	G.U12.	x						
U12	G.U13.	x						
U13	G.U14.	x	x	x				
U14	G.U16.		x	x				
U15	G.U17.		x	x				
U16	G.U18.		x	x				
U17	G.U19.	x						
U18	G.U21.	x						
K01	K.1.	x	x	x				
K02	K.2.	x	x	x				
K03	K.3.	x	x	x				
K04	K.4.	x	x	x				
K05	K.5.	x	x	x				
K06	K.6.	x	x	x				
K07	K.7.	x	x	x				
K08	K.8.	x	x	x				

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Summer semester			
Lectures			
TK01	The introduction to Social Dentistry. Basic definitions associated with general health and oral health. Phases of prophylaxis. Dental caries – methods of prevention: everyday non-professional and professional.	1	D.W1,D.W3,G.W4, G.W15,G.W17, G.U6,G.U7
TK02	Community hygiene: quality of drinking water – hygienic standards. Fluorosis - symptoms and clinical significance. Soil pollution.	2	G.W5,G.W15, G.U12,G.U13,G.U14
TK03	Prevention of infections and their transmission in dental office: rules of washing, disinfection and sterilization; medical waste management.	2	G.W16,G.W17, G.W20,D.U14,E.U6, G.U4,G.U21
Seminars			
TK01	Environmental toxicology. The use of mercury compounds in dentistry. Tobacco smoking and oral health effects. Prevention methods against smoking related diseases: the role of dental team in quitting smoking. Alcohol consumption and public health.	3	E.U17,G.U6, G.U12, G.U13,G.U14
TK02	Preventive supervision of infectious diseases, prevention strategies. The epidemic process - basic concepts. The role and tasks of sanitary and epidemiological supervision authorities.	2	G.W16,G.W20, G.U2,G.U6,G.U19, G.U21
Practical classes			
TK01	Measures of health and disease. Sources of information about the health of the population. Types of population age structures - demographic and epidemiological transformation. Positive and negative measures: QALY (quality-adjusted life years), HDI (human development index), LE (life expectancy), HLY (healthy life years), fertility rate, prevalence, incidence (on the example of infectious diseases), morbidity, mortality (general, proportional, detailed) on the example of CVD, general, early and late infant mortality (def and causes), DALY (disability-adjusted life years), YPLL (years of potential life lost), YLD (years lived with disability).	3	G.W4,G.W5,G.W14, G.U1,G.U2,G.U4, G.U6,G.U16
TK02	Oral hygiene and dental caries indexes (OHI-S, DMFT, SiC). Periodontal diseases epidemiology. Calculating periodontal disease indexes: GI, Russell index, CPITN. Evaluation of chosen diseases among exposure groups.	3	G.U1,G.U2,G.U3, G.U17
TK03	Descriptive epidemiology of oral disease. Analytic epidemiology: chosen types of analytic epidemiological studies. Advantages and disadvantages of different types of studies.	2	G.W14,G.U1, G.U2,G.U3, G.U4,G.U18
TK04	Calculation and interpretation of measures of risk (OR, RR) in analytical studies.	2	G.U2,G.U4, G.U5,G.U18
TK05	Experimental epidemiology: randomization, placebo, blinding, ITT analysis. Bias in epidemiology. Calculation and interpretation of effect measures in experimental studies: risk, risk difference, absolute risk reduction (ARR), number needed to treat (NNT), hazard ratio (HR), odds ratio (OR), relative risk (RR), relative risk reduction (RRR).	2	G.U5,G.U14, G.U17,G.U18
TK06	Screening and measures of accuracy of diagnostic tests. Sensitivity, specificity, predictive values, likelihood ratios.	2	G.U5,G.U14,G.U18
TK07	Causality in epidemiology. Hill's criteria of causation.	1	G.U5,G.U14,G.U18

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Booklist
Obligatory literature:
1. R..Detels, Q.A. Karim, F. Baum, L. Li, A.H. Leyland (ed.): Oxford Textbook of Global Public Health (7 edn), Oxford University Press 2021.
2. R. Bonita, R.Beaglehole, T.Kjellstrom. Basic epidemiology, WHO 2006.
Supplementary literature:
1. P. Webb, C. Bain, A. Page: Essential Epidemiology: An Introduction for Students and Health Professionals. Cambridge University Press, 2020.

Student's workload	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	25
Time spent on preparation to seminars/ practical classess	30
Time spent on reading recommended literature	10
Time spent on writing report/making project	5
Time spent on preparing to colloqium/ entry test	10
Time spent on preparing to exam	
Other	
Student's workload in total	80
ECTS credits for the subject (in total)	2
Remarks	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloqium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...