



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Soicial Dentistry	
Module type	Obligatory/ (wybrać)
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)	3
Type/s of training	lectures (12h) /seminars (32h)/ practical/ (wybrać)
Form of assessment*	<input type="checkbox"/> graded assessment: <input checked="" type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input type="checkbox"/> practical <input checked="" 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 basic terms related to health, life style and health of population	G.W4.	K, O
W02	knows and understands methods of identifying health needs of society	G.W5.	K,O
W03	knows and understands population health state indicators and rules of estimation thereof	G.W14.	K,W
W04	knows and understands rules of prevention of diseases and health improvement	G.W15.	K,W
W05	knows and understands rules of epidemiologic management of contagious disease focus	G.W16.	K,W
W06	knows and understands rules of planning and evaluation of prophylactic activities	G.W17.	PS
W07	knows and understands procedures applicable to epidemic hazards	G.W20.	K,W
W08	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,W
W09	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,W
W10	knows and understands operation of medical institutions and social role of doctor and dentist	D.W5	K,W
U01	is able to analyze data on health of population, epidemiological data and determine health of the population on their basis	G.U1.	K
U02	is able to describe selected health phenomena on population scale and predict their impact on the health care system functioning	G.U2.	K

U03	is able to appraise range of health related problems and identifies relevant priorities and estimates importance thereof to health policy	G.U3.	K
U04	is able to analyzes epidemic conditions with regard to social and demographic processes	G.U4.	K
U05	can create simple research programs in field of prophylaxis and treatment	G.U5.	K
U06	is able to identify factors affecting national health policy	G.U6.	K
U07	is able to plan and implement promotion actions concerning population health	G.U7.	K, PS
U08	is able to identify hazardous factors in place of work, residence and study	G.U12.	K
U09	is able to estimate hazards to health due to quality of air, water, soil and food	G.U13.	K
U10	is able to confirm or preclude relationship between environmental factors and etiology of disease inclusive of occupational disease	G.U14.	K
U11	is able to provide patients with information on hazards to and prevention of most common social diseases in Poland	G.U16.	K
U12	is able to interpret basic epidemic indicators, defines and appraises reliability and relevance of tests used in screening examination	G.U17.	K,W
U13	can design epidemiologic study	G.U18.	K
U14	can conduct epidemiologic investigation	G.U19.	K
U15	is able to follow sanitary-epidemiological regulations and health and safety regulations at work	G.U21.	K
U16	is able to plan treatment in case of exposure to blood transmissible diseases	E.U6	K,S
U17	is able to diagnose diseases related to smoking habit, alcoholism and other addictions	E.U17	K
U18	is able to respect patient's rights	D.U12.	K,
U19	is able to use and process information using IT tools and accessing modern sources of medical knowledge	D.U13.	K, S
U20	is able to plan work of dental team and equipment of dental office according to principles of ergonomics and work safety	D.U14.	O
U21	is able to review medical literature, including English-language literature and draw conclusions	D.U16.	K,S
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

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	G.W4.	x	x					
W02	G.W5.	x						
W03	G.W14.		x					
W04	G.W15.	x						
W05	G.W16.	x					x	
W06	G.W17.	x						
W07	G.W20.	x					x	
W08	D.W1	x	x					
W09	D.W3	x						
W10	D.W5	x						
U01	G.U1.		x					
U02	G.U2.		x	x				
U03	G.U3.	x	x	x				
U04	G.U4.		x	x				
U05	G.U5.		x	x				
U06	G.U6.	x	x					
U07	G.U7.			x				
U08	G.U12.	x						
U09	G.U13.	x	x					
U10	G.U14.		x	x				
U11	G.U16.		x	x				
U12	G.U17.		x	x				
U13	G.U18.		x	x				
U14	G.U19.			x				
U15	G.U21.			x				
U16	E.U6			x				
U17	E.U17	x		x				
U18	D.U12.		x	x				
U19	D.U13.		x	x				
U 20	D.U14.	x		x				
U21	D.U16		x	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				

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.	2	D.W1, D.W5,G.W4., G.W17
TK02	The main health problems of inhabitants of Poland and other EU countries. Strategies of prevention.	3	D.W3, G.W5., G.W15, G.U6; G.U3...
TK03	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.	2	G.U13.
TK04	Community hygiene: quality of drinking water – hygienic standards. Fluorosis - symptoms and clinical significance.	2	E.U17, G.U12.
TK05	Healthy nutrition and dietary habits: goals, rules, calculations of basic parameters	2	G.U13
Seminars			
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, HDI, LE, HLY, fertility rate, natural increase, prevalence, incidence (on the example of infectious diseases), morbidity, mortality (general, proportional, detailed) on the example of CHUK, general, early and late infant mortality (def and causes), DALY, YPLL (years of life lost), YLD (years lived with disability)	3	G.W14, G.U1, G.U2., G.U4, G.U16
TK02	Descriptive epidemiology of oral disease.	2	G.W14, G.U1; G.U2;G.U3; Gu.U4;
TK03	Analytic epidemiology: chosen types of analytic epidemiological studies. Advantages and disadvantages of different types of studies. Bias in epidemiology.	2	D.U13, D.U16, G.U5., G.U14, G.U17, G.U18;
TK04	Experimental epidemiology. Interpretation of NNT, ARR, RR, RRR	2	D.U12, D.U13, D.U16, G.U5; G.U14; G.U18
TK05	Screening and measures of accuracy of diagnostic tests.	2	D.U13, D.U16, G.U2., G.U17
TK06	Causality in epidemiology. Hill's criteria of causation.	2	G.U14
TK07	Nutrition principles in the prevention of oral diseases	2	G.U13
Practical classes			
TK01	Oral hygiene and dental caries indexes (OHI-S, DMFT, SiC)	2	DU12, G.U2; G.U16
TK02	Periodontal diseases epidemiology. Calculating periodontal disease indexes: GI, Russell index, CPITN. Evaluation of chosen diseases among exposure groups	2	DU12, G.U2;GU4; G.U5
TK03	Health measures. Calculation and interpretation of indicators.	2	G.U2;G.U4
TK04	Calculation and interpretation of risk measures in analytical research.	2	D.U13, D.U16, G.U14; G.U18

TK05	Calculation and interpretation of effect measures in experimental studies: risk, relative risk, risk difference, absolute risk reduction, relative hazard (RR, ARR, NNT, RRR, HR, OR). Calculation and interpretation of the screening test validity parameters	2	D.U13, D.U16, G.U16, G.U17, G.U18
TK06	Hygiene in dental office. Rules of post-exposure prophylaxis. Epidemiological investigation.	2	D,U14, E.U6, G.U4; G.U19; G.U21.
TK07	Making plans for the prevention of a subject using preventive measures of professional and home oral cavity.	3	D.U12, E.U17,G.U7, G.U15
E-learning			
TK01	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.,
TK02	Prevention of infections and their transmission in dental office: rules of washing, disinfection and sterilization; medical waste management.	2	G.W16,G.W20., D.U14, G.U4;

Booklist
Obligatory literature:
1.
2.R.Beaglehole, R. Bonita, T.Kjellstrom. Podstawy epidemiologii. Instytut Medycyny Pracy im prof. J.Nofera. Łódź 2002
Supplementary literature:
1.
2.

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	45
Time spent on preparation to seminars/ practical classes	30
Time spent on reading recommended literature	10
Time spent on writing report/making project	5
Time spent on preparing to colloquium/ entry test	15
Time spent on preparing to exam	
Other	
Student's workload in total	95
ECTS credits for the subject (in total)	
Remarks	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

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...