



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Integrated education	
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 5, semester 9, 10
ECTS credits (incl. semester breakdown)	5
Type/s of training	practical (110h)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	dr hab. Katarzyna Grocholewicz prof. PUM
Tutor responsible for the module	dr Małgorzata Tomasik zstomaog@pum.edu.pl
Department's/ Clinic's/ Unit's website	http://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/ zaklad-stomatologii-zintegrowanej
Language	English

* replace ☐ into ☒ where applicable

Detailed information

Module objectives		The increased of theoretical knowledge, improvement and consolidation of practical skills in prevention, diagnosis and treatment of diseases of the stomatognathic system in patients in developmental age and adults for preparation of students for independent dental practice.
Prerequisite /essential requirements	Knowledge	Knowledge, skills and competences at the level of completion of fourth year of dental study.
	Skills	
	Competences	

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 occlusion norms in different phases of ontogenesis and deviations from norms	K_F.W01	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W02	knows rules of prophylactic-therapeutic procedures in diseases of stomatognathic system in different phases of development	K_F.W03	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W03	knows symptoms, course and procedures for certain diseases of oral cavity , head and neck with regard to age groups	K_F.W05	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W04	knows rules of administering local anesthesia in area of stomathognathic system	K_F.W06	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W05	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W06	knows principles of conduct of periapical diseases	K_F.W08	verifying of practical skills, test

			(Skills confirmed in Practical Training Record Book)
W07	knows morphology of pulp cavity and rules of endodontic treatment and instruments	K_F.W09	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W08	knows diagnostics and treatment of parodontium and diseases of oral mucosa	K_F.W11	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W09	knows indications and contraindications as to treatment with use of dental implants	K_F.W12	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W10	knows indications and contraindications as to esthetic dentistry procedures	K_F.W13	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W11	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W12	knows rehabilitation methods for stomatognathic system	K_F.W16	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W13	knows therapy and methods of preventing and controlling pain, stress and anxiety	K_F.W17	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W14	knows rules of radiological diagnostics	K_F.W21	verifying of practical skills, test (Skills confirmed in Practical

			Training Record Book)
W15	knows and understands pathomechanism of influence of oral cavity on general health state	K_F.W22	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W16	knows etiology of recognized occupational diseases, inclusive ones connected with dental work	K_G.W11	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W17	knows ergonomic rules of performing dental procedures and organization of work in dental office	K_G.W16	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
W18	knows rules of health and safety in dentistry	K_G.W17	verifying of practical skills, test (Skills confirmed in Practical Training Record Book)
U01	interviews patient or his/her family	K_F.U01	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U02	carries out physical examination of patient	K_F.U02	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U03	provides patient with explanation about nature of ailment, prescribes treatment confirmed by patient's free consent and prognosis	K_F.U03	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U04	provides patient or his/her relatives with bad news about health state	K_F.U04	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U05	interprets results of ancillary tests	K_F.U06	verifying of practical skills, (Skills confirmed in Practical

			Training Record Book)
U06	finds indications as to performance of certain dental procedure	K_F.U07	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U07	knows prophylaxis of oral cavity diseases	K_F.U08	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U08	knows procedures applicable to diseases of stomatognathic system tissues, tooth and jaw bones	K_F.U09	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U09	treats acute and chronic tooth-related and non-tooth-related inflammation of oral cavity soft tissue, paradontium and jaw bones	K_F.U10	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U10	knows procedures applicable to cases of general and local complications during and after dental treatment	K_F.U11	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U11	keeps day-to-day patient's records, refers patient to general and special dental and medical examination or treatment	K_F.U13	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U12	identifies research issues connected with his/her work	K_F.U14	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U13	presents selected medical issues in written or oral form relevantly to recipient standards	K_F.U15	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U14	selects and performs certain tests to identify number of caries bacteria in oral cavity	K_F.U17	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U15	establishes treatment in diseases of stomatognathic system tissues	K_F.U18	verifying of practical skills,

			(Skills confirmed in Practical Training Record Book)
U16	uses certain drugs during and after dental procedure to relieve pain and stress	K_F.U19	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U17	diagnoses and treats parodontium disease to basic extent	K_F.U20	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U18	diagnoses, differentiates and classifies malocclusion	K_F.U21	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U19	works according to ergonomic rules of practicing	K_G.U25	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U20	follows sanitary-epidemiological regulations and health and safety regulations at work	K_G.U26	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
U21	chooses treatment to minimize social consequences for patient	K_D.U03	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
K01	shows habit of self-education and lifelong education	K_K01	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
K03	can co-operate with team members and care about occupational safety	K_K03	verifying of practical skills, (Skills confirmed in Practical Training Record Book)

K04	shows respect to patient, social groups and cares for their goodwill and security	K_K05	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
K05	recognizes need for complete understanding of physical phenomena in aspects of human body	K_K06	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
K06	understands sense of responsibility for entrusted property	K_K07	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
K07	understands proper examiner/examined relationship	K_K08	verifying of practical skills, (Skills confirmed in Practical Training Record Book)
K08	understands need for keeping professional secrecy and showing respect to patients' rights	K_K09	verifying of practical skills, (Skills confirmed in Practical Training Record Book)

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	K_F.W01				X			
W02	K_F.W03				X			
W03	K_F.W05				X			
W04	K_F.W06				X			
W05	K_F.W07				X			
W06	K_F.W08				X			
W07	K_F.W09				X			
W08	K_F.W11				X			
W09	K_F.W12				X			
W10	K_F.W13				X			
W11	K_F.W14				X			
W12	K_F.W16				X			
W13	K_F.W17				X			
W14	K_F.W21				X			
W15	K_F.W22				X			
W16	K_G.W11				X			

W17	K_G.W16				X			
W18	K_G.W17				X			
U01	K_F.U01				X			
U02	K_F.U02				X			
U03	K_F.U03				X			
U04	K_F.U04				X			
U05	K_F.U06				X			
U06	K_F.U07				X			
U07	K_F.U08				X			
U08	K_F.U09				X			
U09	K_F.U10				X			
U10	K_F.U11				X			
U11	K_F.U13				X			
U12	K_F.U14				X			
U13	K_F.U15				X			
U14	K_F.U17				X			
U15	K_F.U18				X			
U16	K_F.U19				X			
U17	K_F.U20				X			
U18	K_F.U21				X			
U19	K_G.U25				X			
U20	K_G.U26				X			
U21	K_D.U03				X			
K01	K_K01				X			
K02	K_K02				X			
K03	K_K03				X			
K04	K_K05				X			
K05	K_K06				X			
K06	K_K07				X			
K07	K_K08				X			
K08	K_K09				X			

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Winter semester			
Practical classes			
TK 01	Examination of the patient and treatment planning.	10	W01, W02, W14, U02, U03, U04, U05, U06, U08, U11, U13, U17, U18, U20, U21, K01, K02, K03, K04, K05, K06, K08
TK 02	Prophylaxis of caries and periodontal diseases.	5	W02, U03, U07, U16, K01, K02, K04
TK 03	Modern methods and materials used in treatment of mineralised tissue of the teeth.	3	W03, W04, U06, U08, U09, K01, K02, K04, K05

TK 04	Modern methods and materials used in treatment of pulp and periapical lesions.	3	W03, W04, W06, W07, W12, U06, U08, U09, K01, K02, K03, K04, K05
TK 05	Treatment procedures applicable to cases of local and general complications during and after dental treatment.	3	W10, W12, W13, U01, U02, U03, U04, U05, U06, U10, U11, U12, K01, K02, K03, K04, K05, K06, K07
TK 06	Pathological lesions in oral cavity, neck and head in patients with general diseases.	5	W02, W13, W15, U01, U02, U07, U08, U11, U12, U14, K01, K02, K03, K04, K05, K06, K07
TK 07	Tooth, mouth and jaw bones injuries in children and adults – classification, diagnosis and treatment.	3	W02, W03, W05, W10, W12, U01, U04, U05, U06, U08, U09, U14, U15, K01, K02, K03
TK 08	Prosthetics rehabilitation of patients of various ages using modern methods of treatment.	6	W08, W09, W11, W12, U01, U02, U03, U04, U05, U11, K01, K02, K03, K04, K05, K06, K07
TK 09	Aesthetic dentistry.	5	W08, W09, W11, W12, U01, U02, U03, U04, U05, U11, K01, K02, K03, K04, K05, K06, K07
TK 10	Ergonomics at dental work as a prophylaxis of occupational diseases, inclusive ones connected with dental work.	2	W08, W12, W13, W16, W17, W18, U19, U20, K01, K02, K03, K04, K05
Summer semester			
Practical classes			
TK 01	Examination of the patient and treatment planning.	15	W01, W02, W14, U02, U03, U04, U05, U06, U08, U11, U13, U17, U18, U20, U21, K01, K02, K03, K04, K05, K06, K08
TK 02	Prophylaxis of caries and periodontal diseases.	7	W02, U03, U07, U16, K01, K02, K04
TK 03	Modern methods and materials used in treatment of mineralised tissue of the teeth.	5	W03, W04, U06, U08, U09, K01, K02, K04, K05

TK 04	Modern methods and materials used in treatment of pulp and periapical lesions.	5	W03, W04, W06, W07, W12, U06, U08, U09, K01, K02, K03, K04, K05
TK 05	Treatment procedures applicable to cases of local and general complications during and after dental treatment.	5	W10, W12, W13, U01, U02, U03, U04, U05, U06, U10, U11, U12, K01, K02, K03, K04, K05, K06, K07
TK 06	Pathological lesions in oral cavity, neck and head in patients with general diseases.	5	W02, W13, W15, U01, U02, U07, U08, U11, U12, U14, K01, K02, K03, K04, K05, K06, K07
TK 07	Tooth, mouth and jaw bones injuries in children and adults – classification, diagnosis and treatment.	4	W02, W03, W05, W10, W12, U01, U04, U05, U06, U08, U09, U14, U15, K01, K02, K03
TK 08	Prosthetics rehabilitation of patients of various ages using modern methods of treatment.	8	W08, W09, W11, W12, U01, U02, U03, U04, U05, U11, K01, K02, K03, K04, K05, K06, K07
TK 09	Aesthetic dentistry.	5	W08, W09, W11, W12, U01, U02, U03, U04, U05, U11, K01, K02, K03, K04, K05, K06, K07
TK 10	Ergonomics at dental work as a prophylaxis of occupational diseases, inclusive ones connected with dental work.	6	W08, W12, W13, W16, W17, W18, U19, U20, K01, K02, K03, K04, K05

Booklist

Obligatory literature:

1. Katarzyna Grocholewicz i wsp.: *Contemporary Dentistry*. Wyd. PUM 2014

Complementary literature:

1. Kidd E.A., Smith B.G., Watson T.F.: *Pickard's manual of operative dentistry*, 8th edition, Oxford University Press, Oxford 2008.
2. Kidd E.A., Joyston-Bechel S.: *Essential of dental caries*, 3rd edition, Oxford University Press, Oxford 2005.
3. Ingle J.I., Bakland L.K., Baumgartner J.C.: *Ingle's Endodontics*, 6th edition, BC Decker 2008.
4. Cameron AC, Widmer RP: *Handbook of paediatric dentistry*. Edinburgh: Mosby, 2008.
5. Wolf H.F., Rateitschak E.M., Rateitschak K.H., Hassell T.M.: *Periodontology*. Thieme Medical Publishers, 2004.

6. *Rosenstiel S.F., Land M.F., Fujimoto J.: Contemporary Fixed Prosthodontics, 4th Edition, Mosby Elsevier, 2006.*
7. *Carr A.B., Brown D.T.: McCracken's Removable Partial Prosthodontics. 12th Edition. St. Louis: Mosby 2011.*

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	110
Time spent on preparation to seminars/ practical classess	3
Time spent on reading recommended literature	5
Time spent on writing report/making project	0
Time spent on preparing to colloquium/ entry test	0
Time spent on preparing to exam	0
Other	3
Student's workload in total	121
ECTS credits for the subject (in total)	5
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...