

STANDARD COURSE SYLLABUS
for academic year 2012/2013

Description of subject matter – Instructional program							
Name of subject:		PHYSIOLOGY OF THE MASTICATORY SYSTEM			Module code according to standards from A to G		
Director of unit conduction the course:		dr hab. Włodzimierz Więckiewicz, prof. nadzw.					
Faculty:		Dentistry					
Course of study:		Dentistry					
Level of studies		Unitary MMed					
Form of studies		full-time X					
Year:		II		Semester:		III	
Type of subject		obligatory					
Language of instruction:		English					
Name of unit conducting course		Winter semester (hrs.)			Summer semester (hrs.)		
		L	C	S	L	C	S
Department of Prosthodontics		-	-	45	-	-	-
Total:				45			
Educational goals (<i>goals for lessons set by instructor, related to the results of education, max. 6 items</i>)							
C1.							
Matrix of educational results for subjects in reference to methods for verifying intended educational results and manner of conducting lessons.							
Number of educational result	Description of educational result (<i>in conformance with detailed educational results defined in standards</i>)	Methods for verifying achievement of intended educational results *			Manner of lessons: ** provide symbol		
W 01	Describes the anatomy and topography of elements of stomatognathic system Defines the terms connected with instrumental analysis of occlusion Explains the purpose of Rusing face bows and articulators Describes the anatomy and physiology of periodontium and salivary glands Describes the mechanisms of speech, swallowing and breathing and their connections with physiology of masticatory system.	Test			S		
U 01	Can prepare proper multimedia presentation	Evaluation of the presentation			S		

	<p>Can interpret the theoretical information during the diagnosis of TMD</p> <p>Can evaluate teeth age and bone age Fasing on X-ray.</p> <p>Can analyse occlusion.</p>	<p>Verified by the academical teacher conducting the seminar</p>	
K 01	<p>Cooperates in the group as far as the Exchange on information and optima preparing of presentations are concerned</p> <p>Actively participates in the seminars.</p>	<p>Verified by the academical teacher conducting the seminar</p>	S

*e.g.. test, presentation, oral response, essay, report, colloquium, oral examination, written examination;
 ** L- lecture; S- seminar; C- class; EL- e-learning;

Student work input (balance of ECTS points)

Lessons on-site (hrs.)

Own work (hrs.)

Summary of student workload

ECTS points for subject

2,5

Remarks

Content of lessons: *(please provide the subject of individual lessons, keeping in mind the need to contribute to the intended educational results)*

1. Stomatognathic system. Morphology and topography of craniofacial bones. Aesthetic analyses of face.
2. Mechanism of head development. Teeth tissue evolution and their physiology. Deciduous teeth and permanent teeth eruption.
3. The occlusion development. The teeth age and bone age. The regular occlusion and its evaluation. Static and dynamic occlusion.
4. Neuro-muscular system of stomatognathic system, function and correlation of the mandible movements in time. Functional connections with the muscles of the head, neck and scapular girdle.
5. Temporomandibular joint (TMJ), structure and function. Methods of TMJ examination: palpation, listening by stethoscope and radiography. The instrumental analysis.
6. Physiology of breathing and its particularly role in stomatognathic system.
7. Physiology of mastication and swallowing. Phases of swallowing. Mechanism of infants swallowing. Examination of swallowing.
8. Function of speaking. Speech as a conditional reflex. Development of speech in ontogenesis.
9. The influence of personality and stress on stomatognathic system
10. Psychical aspects of pain.
11. The salivary glands. Morphology and histology, secretion and its dysfunctions.
12. Physiology of periodontium.
13. Physiology of oral mucosa.
14. Test.
15. Make up for backlog. Credit of subject.

Primary and secondary literature

Obligatory:

1. Management of temporomandibular disorders and occlusion. 5th ed. / Jeffrey P. Okeson. Mosby 2003
2. Functional Occlusion - From TMJ to Smile Design By Peter E. Dawson. Mosby Title, 2007
3. Behavioral Dentistry. Ed. by: David Mostofsky, Albert Forgione, Donald Giddon. Blackwell Publishing, 2006

Recommended:

1. Wheeler's dental anatomy, physiology and occlusion / Major M Ash, Stanley J. Nelson. 8th. Ed. :Saunders 2003
2. Management of temporomandibular disorders and occlusion. 5th ed. / Jeffrey P. Okeson. Mosby

2003

3. Cause-effect implications in medical procedures. Ed. By Włodzimierz Więckiewicz, Anil Kumar Agrawal, Wrocław 2008

Requirements concerning instructional aids (e.g. laboratory, multimedia projector, other ...)
Multimedia projector, laptop

Conditions for successful completion of course:

1. Passing the test (lowest positive grade 3,0)
2. Presence on the seminars.
3. Preparing a multimedia presentation.

Name and address of unit conducting course, contact information (tel./email):

Katedra Protetyki Stomatologicznej
ul. Krakowska 26 50-425 Wrocław
tel. 71 78 40 291

Person responsible for the course for a given year

dr hab. Włodzimierz Więckiewicz, prof. nadzw.

Signature of head of unit conducting the course

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Signature of dean

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Date of syllabus drafting: