

Study program : DENTISTRY
Type and level of studies: Integrated academic studies, Level 1/2
Course unit: GNATOLOGY
Teacher in charge : Assistant professor Radivoje Radosavljevic, DMD, MSc, PhD
Language of instruction : ENGLISH
ECTS: 6
Prerequisites: Completed course in gnatology
Semester: WINTER SEMESTER
Course unit objective: Acquiring knowledge and skills in gnatology.
<p>Learning outcomes of Course unit:</p> <ul style="list-style-type: none"> - Knowledge about anatomy and physiology of the temporomndibular joint, central position and eccentric movements of the lower jaw, normal and artificial dental occlusion, occlusal therapy - Skills of works with articulator and facial arch, modeling the occlusal complex according to <i>Peter Thomas</i>, registration of central and eccentric position of the lower jaw, application of therapeutic modalities in temporomandibular disorders
<p>Course unit contents</p> <p><i>Theoretical classes</i></p> <p>Orofacial system. Physiological regulation of jaw movements. Anatomical determinants of jaw movements. Movements of the lower jaw. Reference positions of lower jaw. Articulators. Possibilities of simulating the rotation movement of the lower jaw. Transferring the lower jaw model to the articulator. Simulation of eccentric movements of the lower jaw in semi-adjustable articulators. Simulation of eccentric movements of the lower jaw in highly adjustable articulators. Normal occlusion. Mutual relationship of dental arches. Optimum functional occlusion. Artificial occlusion. Occlusal therapy.</p> <p><i>Practical classes</i></p> <p>Introduction and work with articulators, putting up of the facial arch on dental phantoms, transfer of working models to the articulator (with facial arch and without facial arch), registration of central position of the lower jaw, eccentric lower jaw relation, analysis of functional morphology of occlusal surfaces on dental models, introduction with instruments for <i>Peter Thomas</i> modeling, <i>Peter Thomas</i> occlusal surface modeling, occlusal therapy and making splints.</p>
<p>Literature</p> <ul style="list-style-type: none"> • Manfredini D. Current concepts on temporomandibular disorders, 1st Edition, London: Quintessence publishing Co, 2010. • dos Santos J Jr. Occlusion: principles and treatment, 1st Edition, Chicago: Quintessence publishing Co, 2007.

Number of active teaching hours				Other classes
Lectures: 30	Practice: 30	Other forms of classes:	Independent work: 60	
Teaching methods: Lectures, practice in a clinic, clinical problems solving				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points:	Final exam		No. of points:
Student's activity during lectures	30	oral examination		/
practical classes/tests		written examination		70
Seminars/homework				
Project				
Other				

Grading system		
Grade	No. of points	Description
10	95-100	Excellent
9	85-94	Exceptionally good
8	75-84	Very good
7	65-74	Good
6	55-64	Passing
5	< 54	Failing

Course unit description

