

Course Title	Physiology of the Stomatognathic System I				
Course Code	DES274				
Course Type	Compulsory				
Level	Bachelor of Dentistry				
Year / Semester	2 <sup>nd</sup> year / 4 <sup>th</sup> semester				
Teacher's Name	TBA				
ECTS	1	Lectures / week	1 hr / 13 weeks + exam week	Laboratories / week	N/A
Course Purpose and Objectives	To present basic knowledge regarding the physiology of the stomatognathic system and to understand the concept of functional morphology of the dental arches, with emphasis on learning of the morphological features of the occlusal surfaces and the determinants of jaw movement.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the functional morphology of individual teeth and the dental arches as well as the contribution of occlusion to the stomatognathic system.</li> <li>• Discuss the function of the temporomandibular joints and the masticatory muscles.</li> </ul>				
Prerequisites	None	Co-requisites	None		
Course Content	<p>In that regard, students will familiarize themselves with the following Modules:</p> <ul style="list-style-type: none"> <li>• Introduction to Physiology of the Stomatognathic System. Basic Anatomy and musculature</li> <li>• Occlusion part a-Introduction to basic terms of occlusion-Centric Relationship, Centric Occlusion, MIP, Freeway space, Optimal Occlusion, Normal Occlusion</li> <li>• Functional Neuroanatomy-the reflexes</li> <li>• Functions of the masticatory system</li> <li>• The mechanism of Pain</li> <li>• Orofacial Pain</li> </ul>				

	<ul style="list-style-type: none"> <li>• Occlusion part b- Factors that determine tooth alignment &amp; Intra-arch teeth alignment</li> <li>• Occlusion part c- Interarch teeth alignment, classes I,II,III of occlusion , overjet, overbite</li> <li>• Mandibular movements,the envelope of motions,Gysi's diagram,Frontal plane diagram</li> <li>• Bruxism</li> <li>• Occlusion part d- Determinants of occlusal morphology</li> <li>• Disk-Condyle complex in relation to the sound recorded during clinical examination</li> </ul>								
Teaching Methodology	Face-to-face								
Bibliography	<p>Okerson JP. Management of temporomandibular disorders and occlusion. Latest Edition</p> <p>Nelson SJ. Wheeler's Dental Anatomy, Physiology and Occlusion. St. Louis: Saunders Elsevier, 2015</p> <p>Additional Reading Dawson PE. Functional Occlusion: From TMJ to Smile Design. St. Louis: Mosby Elsevier, 2007.</p>								
Assessment	<table border="1"> <tr> <td>Final Examination</td> <td>60%</td> </tr> <tr> <td>Laboratory / Clinical Work / Oral presentations</td> <td>30%</td> </tr> <tr> <td>Participation and attendance</td> <td>10%</td> </tr> <tr> <td>Total</td> <td>100%</td> </tr> </table>	Final Examination	60%	Laboratory / Clinical Work / Oral presentations	30%	Participation and attendance	10%	Total	100%
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