Course Title	Physiology II					
Course Code	DES135					
Course Type	Compulsory					
Level	Bachelor of Dentistry					
Year / Semester	1 st year / 2 nd semester					
Teacher's Name	TBA					
ECTS	6	Lectures / w	reek	3 hrs / 13 weeks + exam week	Laboratories / week	3 hrs / 13 weeks
Course Purpose and Objectives	This course aims to provide the students with knowledge of the basic principles of human physiology and the mechanisms of body function, focusing on the oral and maxillofacial region. An overall objective is to facilitate critical analysis of physiologic information as it relates to the clinical practice of dentistry. The laboratory portion of this course is designed to enhance comprehension of dental physiology and to allow students to					
Learning Outcomes	 meaningfully relate this subject through application. Upon successful completion of this course students should be able to: Discuss orofacial physiology (sensory & neuromotor control). Describe the properties and function of saliva; taste & olfaction and the mechanisms of thermo & mechanosensation. Explain the dynamics and neural control of mastication & swallowing function, understand basic swallowing pathophysiology. Describe mandibular movement, dynamics of temporomandibular joint and occlusion, Describe the mechanism of speech and the effects of structural and functional stomatognathic abnormalities on speech production. Discuss physiology of pain, principles of healing of oral structures and calcification. 					
Prerequisites	None		Co-re	equisites	None	
Course Content	In that regard, students will familiarize themselves with the following Modules: • Fundamentals in orofacial physiology II					

	 Applied comparative orofacial physiology II Physiology of the nervous system and sensory organs Dynamics of mastication and swallowing: II Cortical control and motor neurophysiology Control of mandibular movement/dynamics of TMJ Mechanism of speech: Abnormalities in structure and physiology Saliva: Composition, properties and function Mechanisms of Taste and Olfaction: Mechanosensation/Chemo-sensation Ageing Sensory physiology of pain / nociception Calcium metabolism/ calcification 				
Teaching Methodology	Face-to-face				
Bibliography	Selected reading: Groher ME, Crary MA. Dysphagia: Clinical Management in Adults and Children. St. Louis: Mosby Elsevier, 2010. ADDITIONAL READING Ferguson DB. Oral Bioscience. London: New Generation Publishing, 2006. Bradley RM. Essentials of Oral Physiology. St. Louis: Mosby, 1995.				
Assessment	Final Examination Laboratory / Clinical Work / Oral presentations Participation and attendance Total 60% 30% 10%				
Language	English				