

Course Title	Anatomy II				
Course Code	DES130				
Course Type	Compulsory				
Level	Bachelor of Dentistry				
Year / Semester	1 st year / 2 nd semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 hrs / 13 weeks + exam week	Laboratories / week	3 hrs / 13 weeks
Course Purpose and Objectives	<p>The aim of this course is to provide students with a thorough understanding of the oral anatomic landmarks and to establish an understanding of the relationship between structure and function. The students will learn detailed anatomy and the relationships between the structures in and around the mouth, including the skull, muscles of mastication, blood vessels, nerves, salivary glands, and oral soft tissues. In addition, the course will provide students with a thorough understanding of head and neck anatomy with emphasis on those structures associated with the oral cavity. The course focuses on the anatomy, design, and function of structures in the head and neck as they pertain to oral health. In addition to the regular scheduled lectures the students will attend laboratory work of anatomical models where they will practice the theoretical knowledge on actual proplasm where they will come directly in touch with the anatomical structures. The tutoring will take place in small groups of students in order to have almost private teaching.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Describe and apply anatomical terminology when identifying and describing the anatomy of the head and neck region • Discuss major musculoskeletal elements of the skull, face, ear, nasal cavity, pharynx, larynx, oral cavity, and cervical and thoracic regions • Describe the structure and function of the musculoskeletal elements of the skull, face, ear, nasal cavity, pharynx, larynx, oral cavity • Describe the structure and biomechanics of the temporomandibular joint and identify the etiology, symptoms, and consequences of disorders of this joint 				

	<ul style="list-style-type: none"> • Indicate the major blood vessels which supply the features of the head and neck • Describe the structure and function of the brain, spinal cord, neural pathways and cranial nerves; in particular the course and distribution of the facial and trigeminal cranial nerves • Apply the knowledge gained in this course to identify and describe the anatomical and neural mechanisms involved in mastication, swallowing, respiration, and hearing 		
Prerequisites	None	Co-requisites	None
Course Content	<p>In that regard, students will familiarize themselves with the following Anatomical Modules:</p> <ul style="list-style-type: none"> • Introduction to Anatomy II • Osteology of the skull and face. Muscles of facial expression • Maxilla and mandible. Temporomandibular joint (TMJ) • Oral cavity and tongue • The salivary glands • Ear and nose • Orbit and eye • Temporal and infratemporal fossa • Pharynx and larynx • Neck (boundaries, anatomical orientation, muscles, and the lymphatic system) • Neck (Anatomical spaces and vessels) • Nerves of the head and neck region: trigeminal, facial, hypoglossal, and glossopharyngeal nerves 		
Teaching Methodology	Face-to-face. Lectures and Laboratories, Computer Assisted Learning-CAL, Quizzes, Case Presentations, Assignments, Literature review sessions.		
Bibliography	<p>Netter FH. Atlas of Human Anatomy. Philadelphia: Saunders, 2010.</p> <p>Richard Drake A. Wayne Vogl, Adam Mitchell. Gray's Anatomy for students. 4th edition. Elsevier, 2019</p> <p>ADDITIONAL READING</p> <p>Short MJ, Levin-Goldstein D. Head, Neck and Dental Anatomy. Clifton Park, New York: Delmar Cengage Learning, 2013.</p> <p>Schuenke M, Schulte E, Schumacher U, Baker EW. Head and Neck Anatomy for Dental Medicine. New York: Thieme, 2010.</p> <p>Brand RW, Isselhard DE. Anatomy of Orofacial Structures. St. Louis: Mosby, 2014.</p>		

	<p>Logan BM, Reynolds P, Hutchings RT. McMinn's Color Atlas of Head and Neck Anatomy. St. Louis: Mosby, 2003.</p> <p>Norton N. Head and Neck Anatomy for Dentistry. Elsevier, 2016</p> <p>Netter FH. Atlas of Human Anatomy. Philadelphia: Elsevier, 2019.</p> <p>Ellis, Mahadevan, Clinical Anatomy. Applied Anatomy for students and junior doctors, John Wiley, London, UK, 2019</p> <p>MCQs for Netter's Head and Neck Anatomy for Dentistry. Elsevier, 2015</p>								
Assessment	<table border="1"> <tr> <td>Final Examination</td> <td>60%</td> </tr> <tr> <td>Lab Report / 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%	Lab Report / Oral presentations	30%	Participation and attendance	10%	Total	100%
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Language	English								