

Course Title	Oral and Maxillofacial Radiology and Imaging II				
Course Code	DES337				
Course Type	Compulsory				
Level	Bachelor of Dentistry				
Year / Semester	3 rd year / 5 th semester				
Teacher's Name	TBA				
ECTS	3	Lectures / week	1 hr / 13 weeks + exam week	Laboratories / week	2 hrs / 13 weeks
Course Purpose and Objectives	<p>To learn in depth the diagnostic utilization of dental x-rays and how to prescribe x-rays (dental patient selection criteria). To learn the radiologic appearance of the normal (healthy) dental and oro-facial structures To familiarize participants with the fundamental changes in the radiologic appearance of the diseased tissues and learn the radiologic characteristics of common dental diseases To get the participants acquainted with the advanced imaging modalities used in Dentistry</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Demonstrate proficiency in using dental x-rays and in selecting x-ray based on relevant clinical findings • Appraise the dental radiographic anatomy in intra-oral and panoramic radiographs • Discuss the principles of radiologic image interpretation. • Interpret basic pathology in dental radiographs • Recognize different imaging modalities used in dentistry and their applications 				
Prerequisites	None	Co-requisites	None		
Course Content	<p>In that regard, students will familiarize themselves with the following Modules:</p> <p>A refresher in Dental Radiologic anatomy and an Introduction to image interpretation A refresher in Dental Radiologic anatomy and an Image interpretation A refresher in panoramic radiology and a Review of panoramic radiographs</p>				

	<p>Radiologic assessment of dental caries and a Diagnostic review of dental radiographs-caries</p> <p>Radiologic assessment of periodontal disease and a Diagnostic review of dental radiographs-perio</p> <p>Radiologic assessment of periapical pathology and a Diagnostic review of dental radiographs-periapical pathology</p> <p>Cysts of the jaws-1 and Differential diagnosis of cystic lesions based on radiologic features</p> <p>Cysts of the jaws-2 and Differential diagnosis of cystic lesions based on radiologic features</p> <p>Advanced imaging modalities-CT, MRI and an Acquaintance with CT and MRI images</p> <p>Advanced imaging modalities-CBCT and a Review CBCT images and acquaintance with tomographic imaging</p> <p>Benign and malignant disease of the jaws-1 and Review of radiologic characteristics of benign and malignant jaw lesions</p> <p>Benign and malignant disease of the jaws-2 and a Review of radiologic characteristics of benign and malignant jaw lesions</p>								
Teaching Methodology	Face-to-face. Lectures. Interpretation Laboratories. Interpretation Practice Exercises								
Bibliography	<p>Mallya SM, Lam EWN. White and Pharoah's Oral Radiology: Principles and Interpretation. St. Louis: Elsevier, 2018.</p> <p>Whaites E, Drage N. Essentials of Dental Radiography and Radiology, Churchill Livingstone, 5th Ed. 2013</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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