



<b>Semester 1</b>	
<b>Course Title</b>	<b>Course Description</b>
<b>Anatomy of the head and neck:</b>	This course aims at providing students with a thorough understanding of head and neck anatomy with emphasis on those structures associated with the oral and maxillofacial Radiology. The course focuses on the anatomy, design and function of structures in the head and neck as they pertain to oral health.
<b>Oral Biology</b>	This course prepared to introduce soft and hard tissue histological considerations that represent a great influence on imaging techniques and radiographic interpretation techniques.
<b>Oral Pathology I:</b>	To provide foundation of knowledge and skills necessary for detection of oral lesions and correlate clinical data and radiographic picture to reach a differential diagnosis. This course stresses on diseases of the hard tissues including diseases of bone and salivary glands.
<b>Oraldiagnosis&amp; treatment planning</b>	This Course includes assessment and examination of the patient for proper treatment planning. An over view of the patient information is mandatory as personal data, medical history and clinical examination.
<b>Semester 2</b>	
<b>Course Title</b>	<b>Course Description</b>
<b>Radiation biophysics</b>	This course will provide the student with knowledge about basics of electromagnetic radiation, its nature, biological radiation effect, and radiation genetics for all diagnostic radiations.
<b>Microbiology and Immunology</b>	The course helps students identify the most common oral pathogens and the immune mechanisms the body uses to defend itself against them. This course handles details of the immune mechanism and the different immunoglobulins and their role in diseases. It also discusses the role of these pathogens in spreading infection and how this can be used to structure infection control programs in the dental setting
<b>Oral Pathology II:</b>	This course will provide the student with Knowledge and skills necessary for reaching a definitive diagnosis through the microscopic picture of oral lesions and head and neck tumors. Diseases of salivary glands, manifestations of syndromes are discussed.
<b>Basic dental radiography</b>	This course provide the student with necessary knowledge and skills related to the basics of oral radiography and radiology, conventional intra-oral and extra-oral techniques, processing and normal radiographic anatomy.



<b>Semester 3</b>	
<b>Course Title</b>	<b>Course Description</b>
<b>ORAL&amp; Maxillofacial Radiology for specialist I</b>	This course will Provide the student with necessary knowledge and skills related to challenges which will face the radiologist during taking radiographs and how he will solve it including infection control, quality assurance, imaging of patients with special needs and children, along with the principles of radiographic interpretation.
<b>Principles of radiotherapy and radiation protection</b>	This course provides the student with knowledge about radiation dosometric principles and quantities, protection against radiation, radiation safety stander, and treatment machines for external beam radiotherapy uses and effects.
<b>Advanced imaging modalities I</b>	This course will provide the student with information about the recent advances in imaging modalities including computed tomography, cone beam computed tomography principles, applications and its software and fluoroscopy technique which enables the student for easy interpretation of oral and maxillofacial diseases.
<b>Semester 4</b>	
<b>Course Title</b>	<b>Course Description</b>
<b>ORAL&amp; Maxillofacial Radiology for specialist II</b>	This course will Provide the student with necessary knowledge and skills related to Introduction to radiological interpretation, Radiographic evaluation of dental caries, periodontal diseases, dental anomalies, inflammatory lesions and cysts. Developmental disturbance of the face and jaws, and Trauma to teeth and facial structure.
<b>Advanced imaging modalities II</b>	This course will provide the student with information about the recent advances in imaging modalities including magnetic resonance image principles and interpretation, ultrasonography, arthrography and what's beyond 3 Dimensional imaging.
<b>Laser basics and application in dentistry</b>	This course will provide the student introduction to laser, tissue interaction and laser applications in dentistry.
<b>Case Presentation and Treatment Planning I</b>	This course will provide the candidate with birds eye view toward simple and variable cases.
<b>Semester 5</b>	
<b>Course Title</b>	<b>Course Description</b>
<b>ORAL&amp; Maxillofacial Radiology for specialist III</b>	This course will Provide the student with necessary knowledge and skills related to radiographic interpretation of TMJ diseases, salivary gland and paranasal sinuses diseases, benign and malignant



	oral tumors, bone and systemic diseases with bone manifestation, ectopic calcification and ossification.
<b>Case Presentation and Treatment Planning II</b>	This course will provide the candidate with birds eye view toward complex multidisciplinary cases which required to reach the final diagnosis and multiple treatment phases and intervention from different specialties using conventional and advanced imaging techniques.
<b>Interdisciplinary course</b>	The primary goal of this program is to show every candidate how to be successful in radiographic interpretation and making differential diagnosis , and completing the diagnosis, writing radiographic report, perform accurate referral of cases taking into consideration multidisciplinary dental practice. And to perform Radiographic planning of implants
<b>Clinical rotation</b>	This course will provide the candidate with skills to perform imaging of available radiographic techniques, use CBCT software, interpretation of different conventional and advanced images.
<b>Semester 6</b>	
<b>Course Title</b>	<b>Course Description</b>
<b>ORAL&amp; Maxillofacial Radiology for specialist IV</b>	This course will Provide the student with necessary skills to perform differential diagnosis of radiolucent, radiopaque, mixed radiolucent radiopaque lesion and to right radiographic report and it provide the student with knowledge about the role of radiology in implantology.
<b>Case Presentation and Treatment Planning III</b>	This course will provide the candidate with birds eye view toward complex multidisciplinary cases which required to reach the final diagnosis and multiple treatment phases and intervention from different specialties using advanced imaging modalities and software.
<b>Current literature in Oral and Maxillofacial Radiology</b>	This course will provide the chance for candidates to attend an educational scientific meeting in which a group will discuss published articles, promoting in them the awareness of current research findings, teaching them to critique and appraise research, and encourage them to utilize research in evidence based.