OMFR 5010 Radiation Physics and Biology for Radiology Residents
Credits 0.0 Lecture Hours.
Non-credit. This course will provide instruction in radiation physics, advanced imaging technology, radiobiology, and radiation safety. The student/resident will develop the skills necessary to understand the scientific basis of imaging systems and successfully challenge the certification examination of the American Board of Oral and Maxillofacial Radiology. Must be taken on a satisfactory/unsatisfactory basis.

OMFR 5020 Case Conference
Credits 0.0 Other Hours.
Non-credit. Case presentations of complicated clinical cases encountered while on clinical radiology services which require advanced skills by students/residents and graduate faculty in a prescribed format. Participants will review the literature, present selected imaging studies, and discuss salient points relative to the diagnosis and management of specific diagnostic entities. Must be taken on a satisfactory/unsatisfactory basis.

OMFR 5200 Advanced Radiology Interpretation in Oral and Maxillofacial Radiology
Credits 2.2 Lecture Hours.
Advanced Radiology Interpretation in Oral and Maxillofacial Radiology. Advance interpretation of oral and maxillofacial radiology imaging studies. Topics include recognition of normal anatomy and its variants, diseases, conditions, abnormalities as they appear on imaging studies of different modalities. Skills in differential diagnosis based on interpretive findings will be developed along with assessing the clinical significant of findings.

OMFR 5210 Advanced Imaging Technology in Oral and Maxillofacial Radiology
Credits 2.0 to 2.0 Lecture Hours.
Topics include acquisition techniques using ionizing radiation, nonionizing radiation, and other imaging modalities. Specific discussions will include plain radiography image projects, panoramic radiology, cone beam computed tomography, multi-detector computed tomography, magnetic resonance imaging, nuclear medicine/molecular imaging, and ultrasonography, as well as imaging displays. Must be taken on a satisfactory/unsatisfactory basis.

OMFR 5250 Advanced Oral and Maxillofacial Radiology
Credit 1.1 Lecture Hour.
This course is intended to provide the student with an advanced review of medico-legal aspects of radiology, advanced interpretation principles, comparison and selection of digital imaging systems, advanced imaging techniques, and radiation risk. Must be taken on a satisfactory/unsatisfactory basis.

OMFR 5300 Clinical Teaching
Credits 0.0 Other Hours.
Non-credit. Students/residents give clinical instruction in contact with second-, third- and fourth-year dental students. Four hours per week per semester of clinical instruction, including technical/acquisition, interpretation of imaging studies, and clinical significance of findings. Must be taken on a satisfactory/unsatisfactory basis.

OMFR 5V01 Literature Review Journal Club
Credits 0.5-1.0 Other Hours.
Detailed review of significant literature on all subjects related to oral and maxillofacial radiology. Critical evaluation of the scientific literature will be stressed. Students are assigned recent or classical articles from selected journals for critical review for scientific merit and relevance. Must be taken on a satisfactory/unsatisfactory basis.

OMFR 5V06 Clinical Oral and Maxillofacial Radiology Service
Credits 2.0 to 6.0 to 6.0 Other Hours.
This course will prepare the student/resident for the clinical practice of oral and maxillofacial radiology. The student/resident will develop the skills necessary to order, acquired, and interpret diagnostic imaging studies. This will include the formulation and dictation of interpretation reports and interactions with other health care professionals and patients. Must be taken on a satisfactory/unsatisfactory basis.

OMFR 5V20 Medical Clinical Radiology Service
Credits 1.0 to 4.0 to 4.0 Other Hours.
This clinical course will familiarize the student/resident with the imaging modalities used in contemporary medical radiology and their application to diseases of the head and neck. The course includes specialty level modality selection, study acquisition, and interpretation. Must be taken on a satisfactory/unsatisfactory basis.