Course title and number: Oral Radiography 4310
Term (e.g., Fall 200X): Summer 2021-Spring 2022
Meeting times and location: Clinical hours at Undergraduate Radiology Clinic and Imaging Center

Course Description and Prerequisites

This course is intended to provide the student with clinical experience in the application of the principles, procedures, and techniques of oral radiography.

Prerequisites: Oral Radiology 3220

Learning Outcomes or Course Objectives

Course Objectives:
Upon completion of this course, the student will be able to:
1. Expose and process adult dentulous and partially dentulous radiographic surveys.
2. Expose and process pediatric radiographic surveys.
3. Expose and process panoramic radiographs.
4. Complete all radiographic surveys with a minimum of patient exposure.
5. Recognize radiographs of diagnostic quality.
6. Recognize and correct exposure and processing artifacts.
7. Recognize both the normal and abnormal radiographic appearance of teeth and bone.

Learning Outcomes/Competencies:
1.1 Apply ethical reasoning to dental hygiene and practice with professional integrity.
1.2 Comply with state and federal laws governing the practice of dentistry and dental hygiene.
2.1 Apply critical thinking skills and evidence based decision making to the practice of dental hygiene.
2.3 Communicate effectively with diverse populations without discrimination.
6.1 Determine medical conditions that require special precautions or consideration prior to or during dental hygiene treatment.
6.2 Perform an extraoral and intraoral examination of the patient including assessment of vital signs and radiographic examination, and distinguish normal from abnormal findings.
6.3 Manage the patient at risk for a medical emergency, and be prepared to handle the emergency should it occur during an appointment.
6.5 Analyze and interpret the assessment data to formulate a dental hygiene diagnosis related to and congruent with the diagnosis of the dentist and other health professionals.
8.1 Provide an environment conducive to health by using accepted infection control procedures.
8.5 Provide dental hygiene services in a variety of settings.

Instructor Information
Name: Dr. Hui Liang (course director)
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Email address: huiliang@tamu.edu
Office hours: By appointment
Office location: Room 219
Other Participating Faculty:
Mehrnaz Tahmasbi Arashlow, DDS
Eliphas (Junior) Osinde, DDS
Madhu K. Nair, BDS, DMD, MS, PhD
Michael B. Payne, DDS

Other Participating Resident:
Nisha G. Manila, BDS, PhD
Solaleh Shahmirzadi, DDS

Textbook and/or Resource Material

Grading Policies

Evaluation Criteria/Methods:

Adult patients. Complete all assigned radiographic surveys while in attendance at either the Undergraduate Radiology Clinic or the Imaging Center.

Each adult complete mouth survey consisting of seven or more intraoral projections will be evaluated according to the clinical grading criteria for dental hygiene students. All surveys started must be completed. Partial adult radiographic surveys of less than seven projections, adult interproximal, occlusal and panoramic surveys will be evaluated on the basis of pass/fail.

Pediatric patients. Complete at least three intraoral radiographic surveys on patients during assignment to either the Pediatric Dentistry Clinic or any of the College satellite clinics before the end of Fall semester, and complete additional one intraoral radiographic survey in Spring semester. Total requirement is 4 sets of pediatric radiographs in senior year. These surveys may include the pediatric complete mouth, interproximal, or occlusal surveys.

All pediatric surveys will be evaluated pass/fail by faculty in the Pediatric Dentistry Clinic or any of the College satellite clinics. In order to receive credit for pediatric surveys the evaluation slip, signed by a faculty of one of these clinics and a grade report form, must be presented to and recorded in the Undergraduate Radiology Clinic.

Grades. Progress grades will be reported at the end of the fall semester. To receive a passing progress grade, all assignments in either the Undergraduate Radiology Clinic or the Imaging Center must be completed. A final grade will be reported at the end of the spring term. Course remediation may be made available at the request of the Student Promotions Committee.

Remediation Policy:

By the end of the spring term, an average of 2.0 must be achieved for all adult complete mouth surveys. If the average is less than 2.0, the student will be required to complete five additional adult complete mouth surveys at a proficiency level of 2.0 or above.

\[
\begin{array}{cccc}
4.0 &=& 100 \\
3.5 &=& 92 \\
3.0 &=& 89 \\
2.5 &=& 83 \\
2.0 &=& 80 \\
1.0 &=& 74
\end{array}
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Attendance and Make-up Policy:

Attendance is required for the clinical section. If you are unable to attend a session, notify the Dental Hygiene secretary (214-828-8340).

Laboratory/Clinic Policies and Procedures:

Grading Scale

A= 90-100   B= 80-89   C= 75-79   D= 70-74   F= <70
Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Session Title/Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021-2022</td>
<td>Oral Radiology Clinical Rotation Schedule</td>
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The students will be assigned to the Undergraduate Radiology Clinic or the Imaging Center on a schedule provided by the office of Dental Hygiene Program.

Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Academic Integrity

For additional information please visit: http://aggiehonor.tamu.edu

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”

Date prepared: May 2021