**Course Outline for:** DENH 2254 Clinical Radiology 2

**A. Course Description**
   1. Number of credits: 1
   2. Clinic hours per week: 2
   3. Prerequisites: Acceptance in Dental Hygiene Program; DENH 1150, DENH 2252
   4. Corequisites: DENH 2243
   5. MnTC Goals: None

   Practice of radiographic technique and radiographic interpretation in a clinical setting.

**B. Date Last Reviewed/Updated:** January 2022

**C. Outline of Major Content Areas**
   1. Radiographic Equipment and Dental Imaging
   2. Radiation Safety
   3. Documentation of Radiographs
   4. Infection Control
   5. Radiographic techniques
   6. Radiology Quality Control
   7. Interpretation of dental radiographs
   8. Use of Radiographs in the care of the patient

**D. Course Learning Outcomes**
   Upon successful completion of the course, the student will be able to:
   1. Effectively screen all radiology patients by utilizing the medical history.
   2. Obtain from the supervising dentist the necessary permission for the exposure of radiographs.
   3. Obtain from the patient consent to expose the radiographs.
   4. Prepare the radiology clinic for cleanliness by using universal precautions and sterile technique.
   5. Follow acceptable principles of Radiation Safety and Protection
   6. Employ the basic principles of radiography theory.
   7. Employ appropriate methods for exposing intraoral and extraoral radiographs and be capable of modifying procedures to meet specific clinical situations.
   8. Identify radiographic technique errors and be able to correct the error with minimum guidance.
   9. Identify radiographic technique errors and record on their Retake Analysis Log

10. Document all interactions and procedures with the patient and any referrals given.
11. Identify all normal anatomic structures and deviations from normal on PA, BW and Panoramic radiographs.
12. Describe how the radiographs are used during the dental hygiene appointment to benefit the patient.
13. Meet Professional Portfolio Requirements

## E. Methods for Assessing Student Learning
1. Clinical requirements

## F. Special Information
None