Course Outcomes Guide  
Fall 2017

**Course/Program Title:** DEN 104 Dental Radiology  
**Date:** Fall 2017  
**Course/Program Team:** Professor Rebecca Leonard

**Expected Learning Outcomes:**
1. Demonstrate proper placement techniques for dental radiographs
2. Illustrate proper usage of the dental radiographic equipment.
3. Summarize the dental laws governing dental radiography and dental assistants.
4. Properly utilize the Standard Precautions when exposing and developing radiographs
5. Demonstrate competency in dental radiographic surveys
6. Explain the need for re-certification course and how it relates to the dental team member.
7. Identify proper radiographic surveys for patients.
8. Perform dental radiographic surveys as a dental team member.

**Assessment:** Course completion: Number passing at 75% or greater  
CO #1 Quizzes 2, 3, 4,5,10 and lab comps 2, 3, and 4  
CO#2 Quizzes 4, 5, and 6  
CO#3 Quizzes 2, 3, 4,5,10 labs comps 2, 3, and 4  
CO#4 lab comps 5, 6  
CO#5 final exam questions 1-20  
CO#6 lab comps 5 and 6  
CO#7 final exam questions 20-25  
CO#8 lab comps 5 and 6  
CO#9 final exam question 30-50

**Validation:**  
Completion of course with an average grade of 75% or higher  
Course outcome 1 quizzes 2, 3, 4,5,10 and lab comps 2, 3, 4 placement techniques  
Course outcome 2 quizzes 4, 5, 6 maintenance of equipment and storage  
Course outcome 3 quizzes 2, 3, 4,5,10 and lab comps 2, 3, 4 state laws/ethics  
Course outcome 4 lab comps 5, 6 asepsis techniques/ precautions when exposing  
Course outcome 5 final exam questions 1-20 placements of x-rays, oral surveys  
Course outcome 6 lab comps 5, 6 being a competent dental member/ recertification  
Course outcome 7 final exam questions 20-25 reading films/ fogging/ OE/  
Course outcome 8 lab comps 5, 6 placements of x-rays/ reading x-rays/ fixing problems  
Course outcome 9 final exam questions 30-50 identify artifacts on radiographs

**Results:** Course completion:  
77%—overall class average  
(15/15 students) completed the course with a grade of 75% or higher
Course outcomes (common quizzes and final exam questions): N-15
Course outcome #1: 72% received a 75% or better on quizzes
98% received a pass on lab comps
Course outcome #2 71.5% received a 75% or better on quizzes
Course outcome #3 80% received a 75% or better on quizzes
100% received a pass on lab comps
Course outcome #4 98% received a pass on lab comps
Course outcome #5 80% received a 75% or better on final exam questions
Course outcome #6 100% received a pass on lab comps
Course outcome #7 88% received a 75% or better on final exam questions
Course outcome #8 100% received a pass on lab comps
Course outcome #9 90% received a 75% or better on final exam questions

Follow-up:
Next fall, FA2018, the DEN 104 and DHY 104 will be combined into a new class containing both dental assisting and dental hygiene students.