

**Course Outcomes Guide
Fall 2017**

Course/Program Title: DEN 104 Dental Radiology
Course/Program Team: Professor Rebecca Leonard

Date: Fall 2017

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.
9. Restate concepts of oral radiology.

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.