

**Course Outcomes Guide
Fall 2015**

Course/Program Title: DEN 104 Dental Radiology

Date: Fall 2015

Course/Program Team: Dr. Paul Kane and 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.**
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
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:

88% (13/15 students) completed the course with a grade of 75% or higher
0% (0/15 students) completed this course with a grade of <75%

Course outcomes (common quizzes and final exam questions): N-15

Course outcome #1:	75% received a 75% or better on quizzes
	94.4% received a pass on lab comps
Course outcome #2	72.4% received a 75% or better on quizzes
Course outcome #3	82.3% 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	82% received a 75% or better on final exam questions
Course outcome #6	100% received a pass on lab comps
Course outcome #7	90% 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:

Students who did not receive a 75% or better in DEN104 dental radiology has fallen from previous years. All 15 students passed the class with a 75% or better.

I will continue to implement remediation for lecture material as well as lab competencies.

I would like to purchase practice exams for the students through the DALE foundation to facilitate better national test results.

