

**Course Outcomes Guide
Fall 2014**

Course/Program Title: DEN 104 Dental Radiology

Date: Fall 2014

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 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:

88% (16/18 students) completed the course with a grade of 75% or higher

11% (2/18 students) completed the course with a grade less than 75%. Of these 2 students who could not continue in the program, 1 was a result of failure of co-requisite BIO110

Course outcomes (common quizzes and final exam questions): N-18

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:

Students who did not receive a 75% or better in DEN104 dental radiology remained consistent from prior years. I intend to implement placing quizzes and tests on Moodle for the students to take these exams in the testing center. This will result in an average of 9 hours of gained contact time throughout the 15 week semester. Extra activities and tutoring sessions will also be implemented to improve our number of students who “fail” out of the program. Remediation sessions will be held throughout the program for those students identified as needing extra help.

