

**Course Outcomes Guide
Fall 2018**

Course/Program Title: DEN 104/DHY 104 Dental Radiology

Date: Fall 2018

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. Locate anatomic landmarks on radiographs**
- 6. Patient education**
- 7. Identify proper radiographic surveys for patients.**
- 8. Understanding KVP, MA, Intensity etc.....**
- 9. Radiology interpretation**

Assessment: Course completion: Number passing at 75% or greater

CO #1	Final exam question #84, #85, #86
CO#2	Final exam questions #136, #137, and #138
CO#3	Final exam question #14, #55
CO#4	lab comps 5, 6
CO#5	Final exam questions #110, #111, and #112
CO#6	final exam questions #15, #47
CO#7	final exam questions #75 and #76
CO#8	Final exam questions #20 and #21
CO#9	final exam question #62, #63 and #64

Validation:

Completion of course with an average grade of 75% or higher: Average grade for Final exam Fall 2018: 83.4

Course outcome 1	Final exam questions #84, #85 and #86	placement techniques
Course outcome 2	Final exam questions 136, 137 and 138	maintenance of equipment and storage
Course outcome 3	Final exam questions #14 and #55	state laws/ethics
Course outcome 4	lab comps.	asepsis techniques/ precautions when exposing
Course outcome 5	final exam questions 110, 111 and 112	Locate anatomic landmarks
Course outcome 6		Patient education
Course outcome 7	final exam questions 75 and 76	needs assessment for radiology
Course outcome 8	final exam questions 20 and 21	Understanding KVP, MA, how this affects the radiograph
Course outcome 9	final questions 62, 63, 64	Interpretation of radiographs

Results: Course completion:

100% (42/42) completed the course with a grade of 75% or higher

0% (0/42 students) completed this course with a grade of <75%

Course outcomes (common quizzes and final exam questions): N-42

Course outcome #1: #84: 35/42 answered correctly for 83%, #85: 33/42 answered correctly for 78%, and #86: 30/42 answered correctly for 71 %

Course outcome #2 #136: 33/42 answered correctly for 78%, #137: 40/42 answered correctly for 95% and #138: 34/42 answered correctly for 80%.

Course outcome #3 #14: 25/42 answered correctly for 59%. #55: 35/42 answered correctly for 83%.

Course outcome #4 100% of students received a pass on lab comps concerning standard precautions.

Course outcome #5 #110: 30/42 answered correctly for 71%, #111: 39/42 answered correctly for 92% and #112: 33/42 answered correctly for 78%

Course outcome #6 #15: 36/42 answered correctly for 85%, #47: 42/42 answered correctly for 100%

Course outcome #7 #75: 42/42 answered correctly for 100% and #76: 38/42 answered correctly for 90%

Course outcome #8 #20: 30/42 answered correctly for 71% and #21: 32/42 answered correctly for a 76%.

Course outcome #9 #62: 33/42 answered correctly for 78%, #63: 42/42 answered correctly for 100% and #64: 34/42 answered correctly 80%.

Follow-up:

Students struggled with questions pertaining to ethics and laws in different states.

Incorporate more games into the curriculum. Change the first series of PP to be smaller.

Make the labs for DEN and DHY the same.