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.

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% (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 pass on lab comps  
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.