

**Clackamas Community College**  
Online Course/Outline Submission System

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**Section #1 General Course Information****Department:** Health Sciences: Allied Health**Submitter**

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**Course Prefix and Number:** DA - 101L**# Credits:** 1**Contact hours**

Lecture (# of hours):  
Lec/lab (# of hours): 33  
Lab (# of hours):  
Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

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**Course Title:** Dental Radiology I Lab**Course Description:**

This course covers practical instruction in radiation health and safety, types of film, film holders, processing and mounting of dental films, use of x-ray equipment, infection control techniques, disposal of hazardous waste, and exposure techniques on x-ray manikins.

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**Type of Course:** Career Technical Preparatory**Reason for the new course:**

Break out of lecture and lab credits.

**Is this class challengeable?****No****Can this course be repeated for credit in a degree?**

**No**

Is general education certification being sought at this time?

**No**

Does this course map to any general education outcome(s)?

**No**

Is this course part of an AAS or related certificate of completion?

**Yes**

**Name of degree(s) and/or certificate(s):** Dental Assistant Certificate

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**Yes**

**Co-reqs:** DA-101

Are there any requirements or recommendations for students taken this course?

**Yes**

**Recommendations:** None

**Requirements:** Admission into Dental Assistant program. Instructor consent.

Are there similar courses existing in other programs or disciplines at CCC?

**No**

Will this class use library resources?

**Yes**

**Have you talked with a librarian regarding that impact?**

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

**GRADING METHOD:**

A-F Only

**Audit: No**

When do you plan to offer this course?

✓ **Fall**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**Yes**

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. follow radiation safety measures when exposing periapical and bitewing films on a manikin,
2. use infection control protocol for exposure, processing and mounting for radiographic films;
3. identify possible exposure and processing errors, and make corrections;
4. identify film mounting errors and make corrections,
5. identify major oral landmarks to assist with mounting of radiographs,
6. examine the quality of dental radiographs relative to exposure and development,
7. solve problems independently.

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***This course does not include assessable General Education outcomes.***

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Major Topic Outline:

1. Dental X-ray Machine Function/Operation
2. Operator Protection
3. Infection Control
4. Intra-Oral Radiographic Techniques
  - a. infection control
  - b. film and PID positioning
  - c. paralleling and bitewing techniques
  - d. common errors
5. Film Processing and Mounting
  - a. infection control
  - b. darkroom and film processing
  - c. quality control
  - d. mounting diagnostic quality films
6. Basic Lab Skills Development
  - a. application of basic dental anatomy
  - b. demonstration of periapical exposures and bitewing films on manikins
  - c. demonstration of increase accuracy and speed
  - d. problem solve errors with exposure, processing and mounting.

Does the content of this class relate to job skills in any of the following areas:

- |                                      |           |
|--------------------------------------|-----------|
| 1. Increased energy efficiency       | <b>No</b> |
| 2. Produce renewable energy          | <b>No</b> |
| 3. Prevent environmental degradation | <b>No</b> |
| 4. Clean up natural environment      | <b>No</b> |
| 5. Supports green services           | <b>No</b> |

Percent of course: 0%

First term to be offered:

**Specify term:** Fall 2017

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