

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Health Sciences: Dental Assistant

Submitter

First Name: Maria

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Course Prefix and Number: DA - 102

Credits: 2

Contact hours

Lecture (# of hours): 22

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 22

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.

Course Title: Dental Radiology II

Course Description:

Alternative radiographic techniques are discussed as students develop their knowledge in the following areas: bisecting, extra-oral radiography, techniques for children, and patients with special needs. This course provides an in-depth study of the purpose and uses of panoramic imaging, digital imaging, three-dimensional digital imaging, and occlusal examinations. Identification of radiographic interpretation and infection control procedures will also be covered.

Type of Course: Career Technical Preparatory

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?

Yes

Pre-reqs: Pass DA-101 with a C or better

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

Yes

Co-reqs: DA-102L

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

Yes

Recommendations: None

Requirements: Admission into the 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: Yes

When do you plan to offer this course?

✓ **Winter**

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. explain the basic principles of the bisecting technique,
2. contrast the paralleling and bisecting techniques,
3. identify and describe the appearance of incipient, moderate, advanced, and severe caries on a dental image;
4. discuss imaging of patients with special needs,
5. identify modifications in technique necessary to acquire a radiographic image on patients with special needs,
6. describe the purpose of occlusal examination,
7. discuss the buccal object rule,
8. discuss (in-depth) the purpose and uses of three-dimensional digital imaging,
9. describe (in-depth) the purpose and uses of panoramic imaging,
10. discuss (in-depth) the fundamentals of digital imaging,
11. describe the equipment used in digital imaging,
12. identify and describe (in-depth) the appearance of various restorations, dental materials and miscellaneous objects on dental images;
13. describe the type of dental images that should be used to document periodontal disease and the preferred exposure technique.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Intra-Oral Radiographic Techniques.
 - a. bisecting technique.
 - b. paralleling technique.
 - c. occlusal film.
2. Alternative Radiographic Techniques.

- a. panoramic imaging.
- b. extraoral imaging.
- c. digital imaging.
- d. three-dimensional digital imaging.
- e. localization technique.
- 3. Processing of receptor images.
- 4. Patient Management.
- 5. Basic Radiographic Interpretation.

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

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

Percent of course: 0%

First term to be offered:

Specify term: Winter 2016
