

## Clackamas Community College

### Online Course/Outline Submission System

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Show changes since last approval in red

#### Section #1 General Course Information

**Department:** Health Sciences: Allied Health

##### Submitter

First Name: Maria  
Last Name: Corona  
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**Course Prefix and Number:** DA - 108

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**# 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.

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**Course Title:** Dental Materials II

##### Course Description:

This course focuses on in-depth knowledge of the properties, uses and manipulation of impression materials, gypsum products and waxes. Foundational knowledge will prepare students for the fabrication of custom trays, bleaching trays, and provisional restorations. Includes knowledge of fixed and removable prosthodontic procedures and rationale for polishing removable appliances. An overview of dental implants will also be covered.

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**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-107 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-108L

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: No**

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 role of the dental assistant in all phases of fixed prosthodontic treatment,
2. discuss the procedure, tray set-up, and materials used for a permanent cast restoration;
3. explain the uses, mixing techniques, and application of elastomeric impression materials;
4. explain the uses, mixing technique and application of reversible and irreversible hydrocolloid;
5. restate the importance of using PPE when handling and disinfecting elastomeric and alginate impression,
6. explain the indications for provisional coverage for a crown or fixed-bridge preparation,
7. explain the use of study casts/occlusal registration in patient education and treatment,
8. identify the various types of temporary (provisional) restorations,
9. explain the competency steps in removing cement from permanent or temporary cementation,
10. discuss indications and contraindications for dental implants,
11. identify the three classifications of waxes used in dentistry,
12. identify the guidelines and terminology for creating thermoplastic custom impression trays,
13. compare the three classifications of impressions used in dentistry: preliminary impressions, final impressions and bite registration impressions;
14. name the three forms of gypsum,
15. describe the procedure for polishing removable appliances,
16. identify the dental assistant's role in tooth whitening.

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

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Major Topic Outline:

1. Fixed Prosthodontics.
  - a. types and function.
  - b. instrument tray.
  - c. final impressions
  - d. provisional coverage.
2. Delivery.
  - a. final cementation.
3. Removable Prosthodontics.
  - a. partial.

- b. denture.
- c. construction.
- d. appointment series.
- 4. Dental Waxes.
- 5. Alginate Impressions.
  - a. material and equipment.
  - b. classifications.
  - c. evaluation.
  - d. bite registration.
- 6. Gypsum products.
  - a. pouring impression.
  - b. trimming models.
- 7. Tooth whitening/Bleaching.
  - a. bleaching materials.
  - b. patient instructions.

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:** Winter 2018

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