



## Laboratory Procedures – DENT 137

### Certified Dental Assisting Program

### Course Outline

COURSE IMPLEMENTATION DATE: Pre 1998  
OUTLINE EFFECTIVE DATE: September 2019  
COURSE OUTLINE REVIEW DATE: April 2024

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#### GENERAL COURSE DESCRIPTION:

This course is designed to introduce the student to the dental lab and some of the commonly used pieces of equipment to fabricate and produce various dental products. Studies include different kinds of dental lab materials. Students also learn to work with these materials while they create patient models and custom trays. Students study common fixed direct dental restorations and removable prosthesis, as well as how these are fabricated in the dental lab. Lastly, students cover specific appliances used for such purposes as improved aesthetics and mouth protection.

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**Program Information:** This course is required for successful completion of the Certified Dental Assisting program.

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**Delivery:** This course is delivered face to face.

**COTR Credits:** 2

**Hours for this course:** 21

#### Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	21
Seminars / Tutorials	
Laboratory / Clinical Hours	
Practicum / Field Experience Hours	
Other Contact Hours	
<b>Total</b>	<b>21</b>

#### Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	N/A
Formal Work Experience	N/A
Other	N/A
<b>Total</b>	

**Course Outline Author or Contact:**

Marla Jones, BA, CDA, PID  
CDA Program Coordinator

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Signature

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**APPROVAL SIGNATURES:**

Department Head  
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Department Head Signature

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Dean Signature

EDCO

Valid from: September 2019 – April 2024

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Education Council Approval Date

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**COURSE PREREQUISITES AND TRANSFER CREDIT:**

**Prerequisites:** None

**Corequisites:** None

**Flexible Assessment (FA):**

Credit can be awarded for this course through FA

Yes  No

**Transfer Credit:** For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>.

Students should also contact an academic advisor at the institution where they want transfer credit.

**Prior Course Number:** N/A

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## **Textbooks and Required Resources:**

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbooks were in use:

Elsevier Saunders (Bird and Robinson, *Modern Dental Assisting*, 12<sup>th</sup> Edition,  
ISBN 978-0-323-43030-2

Elsevier Saunders (Boyd), *Dental Instruments: A Pocket Guide*, 6<sup>th</sup> Edition,  
ISBN 978-0-323-47405-4

DENT 137 Module

*Please see the instructor's syllabus or check COTR's online text calculator*  
<http://go.cotr.bc.ca/tuition/tCalc.asp> for a complete list of the currently required textbooks.

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## **LEARNING OUTCOMES:**

Upon the successful completion of this course, students will be able to

- identify and use common laboratory equipment, including maintenance and safety procedures;
  - use common laboratory materials;
  - describe, manipulate and use gypsum;
  - prepare and care for fixed prosthetics;
  - prepare and care for removable prosthetics; and
  - fabricate and care for custom appliances.
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## **COURSE TOPICS:**

- Laboratory Equipment
  - Laboratory Materials
  - Gypsum Products
  - Fixed Prosthodontic Procedures
  - Removable Prosthodontic Procedures
  - Custom Appliance Procedures
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## EVALUATION AND ASSESSMENT:

Assignments		% Of Total Grade
Quizzes, Worksheets and Assignments		30%
Final Exam	Units 1, 2, and 3	35%
Final Exam	Units 4, 5, and 6	<u>35%</u>
Total		100%

Please see the CDA Program Student Handbook for specific policies related to this course.

**Clinical:** In order to receive credit for this course, all Practical Objectives must be successfully completed

Practical Objectives:

- Maintain a Dental Laboratory
- Process Diagnostic Casts
- Fabricate Custom Trays
- Fabricate Custom Mouth Guard
- Polish Dentures (Mouth Guard)
- Fabricate Custom Whitening Tray
- Clean Removable Appliances

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## EXAM POLICY:

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

The program's re-write policy is described in detail in the CDA Program Student Handbook.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

Note: The program's rewrite policy is described in detail in the CDA Program Student Handbook.

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## COURSE GRADE:

Course grades are assigned as follows:

Grade	A+	A	A-	B+	B	B-	F
Mark (Percent)	≥ 95	94-90	89-85	84-80	79-75	74-70	< 70

Students must achieve a minimum of 70% on all final examinations and an overall grade of 70% to pass this course.

**ACADEMIC POLICIES:**

See [www.cotr.bc.ca/policies](http://www.cotr.bc.ca/policies) for general college policies related to course activities, including grade appeals, cheating and plagiarism.

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**COURSE CHANGES:**

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment and marketing needs. The instructor will endeavour to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.