



Laboratory Procedures – DENT 137

Certified Dental Assisting Program

Course Outline

COURSE IMPLEMENTATION DATE:	Pre 1998
OUTLINE EFFECTIVE DATE:	September 2023
COURSE OUTLINE REVIEW DATE:	April 2028

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.

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

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	60*
Practicum / Field Experience Hours	
Other Contact Hours	
Total	81
*Refer to DENT 154 Course Outline	

Practicum Hours (if applicable):

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

Course Outline Author or Contact:

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CDA Program Coordinator

Signature

APPROVAL SIGNATURES:

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Department Head Signature

Dean Signature

EDCO

Valid from: September 2023 – April 2028

Education Council Approval Date

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

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*, 13th Edition,
ISBN 978-0-323-62485-5

Elsevier Saunders (Boyd), *Dental Instruments: A Pocket Guide*, 7th Edition,
ISBN 978-0-323-62743-6

DENT 137 Module

Please see the instructor's syllabus or check COTR's online text calculator
<https://textbook.cotr.bc.ca/> for a complete list of the currently required textbooks.

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%
Research Assignment		10%
Final Exam	Units 1, 2, and 3	30%
Final Exam	Units 4, 5, and 6	<u>30%</u>
Total		100%

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

CLINICAL:

Elements of DENT 137, particularly course learning outcomes #1-6, correspond to DENT 154 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.

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.

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 an overall grade of 70% to pass this course.

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to course activities, including grade appeals, cheating and plagiarism.

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.