



Microbiology and Infection Control – DENT 130

Certified Dental Assisting Program

Course Outline

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

GENERAL COURSE DESCRIPTION:

This course covers the detailed procedures that students and dental assistants must carry out for the aseptic treatment of instruments and equipment. This course also covers basic terminology as well as descriptions of microorganisms and their modes of transmission. Students learn how to destroy microorganisms and help prevent potential disease. Students learn detailed sterilization techniques for instruments and dental equipment before, during and after treatment.

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: 18

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	18
Seminars / Tutorials	
Laboratory / Clinical Hours	
Practicum / Field Experience Hours	
Other Contact Hours	
Total	18

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:

Marla Jones, BA, CDA, PID
CDA Program Coordinator

Signature

APPROVAL SIGNATURES:

Department Head
Sandi Hill
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Acting Dean of Health and Human Services
Norma Sherret
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Department Head Signature

Dean Signature

EDCO

Valid from: September 2019 – April 2024

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*, 12th Edition,
ISBN 978-0-323-43030-2

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

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*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.*

LEARNING OUTCOMES:

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

- explain common terminology associated with microbiology;
 - explain how pathological microorganisms are spread and how to prevent this contamination;
 - carry out methods of microbiological control necessary in the dental office to protect the patient, as well as the dental team and their families; and
 - maintain aseptic techniques before, during and after dental treatment.
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COURSE TOPICS:

- Oral Microbiology
 - Microbiological Control
 - Asepsis
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EVALUATION AND ASSESSMENT:

Assignments	% Of Total Grade
Quizzes, Worksheets and Assignments	20%
Research Project	35%
Final Exam – Units 1, 2 and 3	<u>45%</u>
Total	100%

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

Clinical: All Practical Objectives must also be successfully completed

Practical Objectives: Control Infection by Disinfection
Control Infection by Sterilization

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.

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

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 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.