



ORIGINAL COURSE IMPLEMENTATION DATE: January 1994
 REVISED COURSE IMPLEMENTATION DATE: January 2022
 COURSE TO BE REVIEWED (six years after UEC approval): April 2027
 Course outline form version: 05/18/2018

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: DENT 144		Number of Credits: 2.5															
Course Full Title: Applied Dental Sciences																	
Course Short Title: Applied Dental Sciences																	
Faculty: Faculty of Health Sciences		Department: Health Studies															
Calendar Description: Students acquire foundational knowledge related to the applied sciences of dentistry including oral pathology, periodontics, and pharmacology. Basic concepts, diagnostic, and related procedures for each applied science will be explored.																	
Prerequisites (or NONE):		DENT 130, DENT 131, DENT 132, DENT 133, DENT 134, DENT 135, DENT 136, DENT 137, DENT 138, DENT 140, DENT 142, DENT 150, and DENT 154.															
Corequisites (if applicable, or NONE):																	
Pre/corequisites (if applicable, or NONE):																	
Antirequisite Courses <i>(Cannot be taken for additional credit.)</i> Former course code/number: Cross-listed with: Dual-listed with: Equivalent course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>		Special Topics <i>(Double-click on boxes to select.)</i> This course is offered with different topics: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>															
		Independent Study If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit															
		Transfer Credit Transfer credit already exists: <i>(See bctransferguide.ca.)</i> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Submit outline for (re)articulation: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i>															
Typical Structure of Instructional Hours <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>42</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td>Total hours</td> <td>42</td> </tr> </table>		Lecture/seminar hours	42	Tutorials/workshops		Supervised laboratory hours		Experiential (field experience, practicum, internship, etc.)		Supervised online activities		Other contact hours:		Total hours	42	Grading System <input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit	
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Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		Maximum enrolment (for information only): 24 Expected Frequency of Course Offerings: Summer only <i>(Every semester, Fall only, annually, etc.)</i>															
Director: Cindy Schultz		Date approved: February 2021															
Faculty Council approval		Date approved: March 1, 2021															
Dean: Alastair Hodges		Date approved: March 1, 2021															
Campus-Wide Consultation (CWC)		Date of posting: April 9, 2021															
Undergraduate Education Committee (UEC) approval		Date of meeting: April 23, 2021															

Learning Outcomes

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

- Describe basic principles of each dental science
- Describe genetic, developmental and acquired anomalies/pathologies of the oral cavity
- Explain the etiology and progression of hard and soft tissue lesions
- Explain the etiology and treatment of common periodontal disease conditions
- Describe diagnostic procedures, preventative, emergency and other common and unique procedures relevant to each dental science
- Identify armamentarium, supplies and materials used for specialized dental procedures
- Describe properties, uses and handling of materials and/or medicaments specific to each dental science
- Discuss support procedures including procedural or appointment modifications relevant to each dental science

Prior Learning Assessment and Recognition (PLAR)

☐ Yes ☒ No, PLAR cannot be awarded because course completion is specific to UFV CDA program graduation requirements.

Typical Instructional Methods

Lecture, demonstration, group discussions, videos, blended course delivery.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials *(If more space is required, download Supplemental Texts and Resource Materials form.)*

Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1. Bird, D.L. and Robinson, D.S.	Modern Dental Assisting 13th ed.	<input checked="" type="checkbox"/>	Elsevier 2021	2021
2. Bird, D.L. and Robinson, D.S.	Modern Dental Assisting Workbook 13th ed.	<input checked="" type="checkbox"/>	Elsevier2021	2021

Required Additional Supplies and Materials

DENT 144 course packs

Typical Evaluation Methods and Weighting

Final exam:	50%	Assignments:	30%	Field experience:	%	Portfolio:	%
Midterm exam:	%	Project:	10%	Practicum:	%	:	%
Quizzes/tests:	10%	Lab work:	%	Shop work:	%	Total:	100%

Details:**Typical Course Content and Topics****Oral Pathology:**

- Concepts of health and disease
- Oral cancer
- Developmental disturbances
- Intraoral lesions
- Dental Caries

Periodontics:

- Periodontal diseases
- Periodontal diagnosis procedures
- Periodontal treatment procedures

Pharmacology:

- Basic pharmacology
- Medications used in dentistry
- Medications significant to dental treatment
- Medication storage in the dental office