

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

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

Course Code and Number: DENT 132		Number of Credits: 3															
Course Full Title: Anatomy and Physiology of the Head and Neck																	
Course Short Title: Anatomy & Phys: Head & Neck																	
Faculty: Faculty of Health Sciences		Department: Health Studies															
Calendar Focuses on oral anatomy and physiology including the dentition, structures of the oral cavity and the head and neck. Oral embryology is discussed and skeletal structures, blood, nerve, and muscle supply to the head and neck are examined in preparation for the introduction of local anesthesia.																	
Prerequisites (or NONE):		Admission to the Certified Dental Assistant certificate.															
Corequisites (if applicable, or NONE):																	
Pre/corequisites (if applicable, or NONE):		N/A															
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>															
Typical Structure of Instructional Hours <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Lecture/seminar hours</td> <td style="text-align: center; padding: 2px;">54</td> </tr> <tr> <td style="padding: 2px;">Tutorials/workshops</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Supervised laboratory hours</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Experiential (field experience, practicum, internship, etc.)</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Supervised online activities</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Other contact hours:</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="text-align: right; padding: 2px;">Total hours</td> <td style="text-align: center; padding: 2px;">54</td> </tr> </table>		Lecture/seminar hours	54	Tutorials/workshops		Supervised laboratory hours		Experiential (field experience, practicum, internship, etc.)		Supervised online activities		Other contact hours:		Total hours	54	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	
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Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		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>															
		Grading System <input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit															
		Maximum enrolment (for information only): 24 Expected Frequency of Course Offerings: Fall only <i>(Every semester, Fall only, annually, etc.)</i>															
Department / Program Head or Director: Cindy Shultz		Date approved: November 2020															
Faculty Council approval		Date approved: November 27, 2020															
Dean: Alastair Hodges		Date approved: November 27, 2020															
Campus-Wide Consultation (CWC)		Date of posting: February 5, 2021															
Undergraduate Education Committee (UEC) approval		Date of meeting: February 26, 2021															

Learning Outcomes:

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

- Identify landmarks of the head and oral cavity.
- Identify the types, function and related anatomical landmarks of teeth.
- Describe the components of the periodontium.
- Describe intraoral soft tissues.
- Differentiate between the types of dental occlusion.
- Discuss the orofacial complex in relation to the oral cavity.
- Identify head and neck tissues in relation to the oral cavity.
- Describe innervation of the face and oral cavity.
- Identify pain control methods to help assist in anesthetic procedures.

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, group work, case studies, presentations, hybrid 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., & Robinson, D.S.	Modern Dental Assisting 13 th edition	<input checked="" type="checkbox"/>	Elsevier, Saunders	2020
2. Bird, D.L., & Robinson, D.S.	Modern Dental Assisting Workbook 13 th edition	<input checked="" type="checkbox"/>	Elsevier, Saunders	2020
3.	Dent 132 Course Pack			

Typical Evaluation Methods and Weighting

Final exam:	25%	Assignments:	25%	Field experience:	%	Portfolio:	%
Midterm exam:	25%	Project:	%	Practicum:	%	Participation:	%
Quizzes/tests:	25%	Lab work:	%	Shop work:	%	Total:	100%

Details (if necessary):**Typical Course Content and Topics**

Landmarks of the face and oral cavity

- Body systems
- Regions and landmarks of head
- Regions and landmarks of oral cavity

The dentition

- Dental arches
- Types of teeth
- Functions of teeth
- Tooth morphology

The periodontium

- Gingival unit and attachment apparatus

Intra-oral soft tissues

- Identify soft tissues
- Describe the tongue and taste buds
- Identify major salivary glands
- Functions and components of saliva

Occlusion

- Angles classification of occlusion

Orofacial complex

- Development of orofacial complex
- Tooth development

- Oral developmental disturbances

Head and neck tissues

- TMJ
- Muscles of head and neck
- Blood supply to face and oral cavity
- Lymphatic system
- Innervation of face and oral cavity

Pain control in dentistry

- Dental injections
- Topical anesthetic
- Pain control in dental procedures
- Local anesthetic agents, armamentarium, procedures
- Assisting with pain control