

COURSE SYLLABUS



Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and WSÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.

TERM: Fall 2020
COURSE & SECTION: DHYG 219
COURSE TITLE: Head and Neck Anatomy
SECTION DETAILS: Wednesdays, 12:30pm-2:20pm & Fridays, 10am-11:50pm
INSTRUCTOR: Amber Chamut | D003 | chamuta@camosun.bc.ca | 250-370-3193
OFFICE HOURS: please email to schedule an appointment

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.

Camosun College will continue to follow the guidance of the Provincial Health Officer, the B.C. Government and WorkSafeBC, and as such may revise the delivery of courses. Courses with an approved face-to-face component may need to move to online or remote delivery if necessary.

The COVID-19 pandemic has presented many challenges, and Camosun College is committed to helping you safely complete your education. Following guidelines from the Provincial Health Officer, WorkSafe BC and the B.C. Government to ensure the health and wellbeing of students and employees Camosun College is providing you with every possible protection to keep you safe including COVID Training for students and employees, health checks, infection control protocols including sanitization of spaces, PPE and ensuring physical distancing. Please refer to: <http://camosun.ca/covid19/faq/covid-faqs-students.html> However, if you're at all uncomfortable being on campus, please share your concerns with your Instructor and if needed, alternatives will be discussed.

COURSE DESCRIPTION

Students are introduced to anatomical and physiological features of the head and neck region, including oral and periodontal anatomy. The course focus is on the healthy/normal continuum that provides the foundation for clinical dental hygiene practice as well as for further study.

<input type="checkbox"/>	Synchronous delivery: Courses will be completely online with online scheduled meetings and expectations for remote student participation. There will be meeting times but not on campus. Students will be expected to manage time zone differences for scheduled online activities.	<input type="checkbox"/>	Asynchronous delivery Courses will be completely online with no set meeting schedules. Students may participate from any time zone or anywhere in the world. All evaluation will be managed remotely.	<input checked="" type="checkbox"/>	Blended delivery: A mixed delivery of both synchronous and asynchronous.
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Course Credits: 3

Prerequisite(s):
 Corequisite(s): DHYG 270, DHYG 271
 Pre/Corequisite(s): B- in BIOL 161
 Exclusion(s):

COURSE DELIVERY

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture	4	14	56
Seminar			
Lab / Collaborative Learning			
Supervised Field Practice			
Workplace Integrated Learning			
Online			
	TOTAL HOURS		56

Additional Delivery information:
 More information available on D2L

LEARNING OUTCOMES

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

- Use dental and anatomical terms in order to complete effective intra and extra oral exams and provide descriptions of findings.
- Identify features of the soft and hard tissues that relate to the identification and differentiation of landmarks and demonstrate understanding of the periodontium in order to identify individual client needs.
- Describe normal head and neck anatomy and physiology in order to identify abnormal function, to provide a foundation for clinical dental hygiene.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Fehrenbach, M.J., Herring, S.W. (2017). Illustrated anatomy of the head and neck (5th ed.). St. Louis, Missouri: Elsevier.

Fehrenbach, M.J., Popowics (2016). Illustrated Dental Embryology, Histology, and Anatomy (4th ed.). St. Louis, Missouri: Elsevier Saunders.

DHYG 219 Course Package: Head and Neck Anatomy Workbook/Manual – available through Camosun College Bookstore.

PowerPoints and additional course materials – as posted on D2L

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

ACTIVITY

<p>1. Identify and describe structures, landmarks and anatomical relationships of the skull using appropriate terminology.</p> <ul style="list-style-type: none"> • <i>Using anatomical terminology describe directional relationships of structures and landmarks associated with body planes and head and neck anatomy.</i> • <i>Discuss the structure, function and location of major bones and bony landmarks of the skull (cranium), facial bones and cervical vertebrae.</i> • <i>Identify and relate structure to function of the soft and hard tissues associated with the temporomandibular joint (TMJ)</i> • <i>Name sutures and the bones associated with them.</i>
<p>2. Identify normal anatomical structures and landmarks associated with head and neck intra-oral and extra-oral anatomy and explain their location and function.</p> <ul style="list-style-type: none"> • <i>Identify and describe normal intra-oral structures that are commonly seen or palpated during a clinical assessment including: surfaces and structures associated with the tongue, the floor of the mouth, tonsils and associated soft tissue structures in the oropharynx, the hard and soft palates. The alveolar ridges (this list is not conclusive).</i> • <i>Identify and describe normal extra-oral structures that are commonly seen or palpated during an extra-oral examination including lymph nodes, the external ear, the face, and the neck.</i>
<p>3. Discuss components of the periodontium and describe structure and function of each including hard tooth tissues.</p> <ul style="list-style-type: none"> • <i>Identify the names and locations of tissues that make up the teeth.</i> • <i>Describe the anatomical divisions of the gingiva and explain characteristics of each including clinical appearance and underlying structures associated with healthy gingiva.</i> • <i>Describe the blood supply, innervation and lymphatic drainage of the gingiva.</i> • <i>Describe the periodontal ligament including structure, function, fiber arrangement, blood supply and innervation..</i> • <i>Describe structure, composition and functions of cementum including cemento-enamel junction (CEJ).</i> • <i>Discuss structure and function of the alveolar bone, including types of bone present.</i> • <i>Explain the morphology of normal alveolar bone in relation to the teeth and in edentulism.</i> • <i>Describe the terms dehiscence and fenestration in relation to alveolar bone.</i>
<p>4. Describe the structure and function of the soft and hard tissues associated with the temporomandibular (TMJ) joint.</p> <ul style="list-style-type: none"> • <i>Identify the anatomical components of the TMJ and describe their relationship associated with function during rest and during occlusal movements.</i> • <i>Describe the feel and sound of a normal versus abnormal functioning TMJ and have a basic understanding of clinical signs and symptoms associated with minor TMJ disorders.</i> • <i>Demonstrate awareness of dental hygiene considerations associated with TMJ disorders relevant to an extra oral examination.</i>
<p>5. Identify the muscles of the head and neck including location and function.</p> <ul style="list-style-type: none"> • <i>Name and describe muscles of the head and neck including the origin, insertion, action and innervation of the muscles of mastication, facial expression, soft palate, floor of the mouth, tongue, hyoid and associated neck structures.</i> • <i>Categorize the muscles in their roles in the above areas and discuss the function of each.</i> • <i>Identify the muscle groups and actions of each that are associated with swallowing.</i>
<p>6. Identify and describe nerves of the head and neck region.</p> <ul style="list-style-type: none"> • <i>Describe basic function of the central nervous system (CNS), the peripheral nervous system (PNS), and the general function of the autonomic nervous system.</i> • <i>Describe the 12 cranial nerves, their distribution and general function.</i> • <i>Describe in detail the pathway of the trigeminal (V) nerve, identifying each branch and their distribution in relation to motor and sensory function.</i>

	<ul style="list-style-type: none"> • Describe the nerves and pathways involved in parasympathetic innervation to the major salivary glands. • Describe general innervation and taste sensation to the tongue. • Describe innervation of teeth and associated periodontium. • Identify and differentiate the main branches of the facial (VII) nerve including their function.
7.	<p>Identify and describe blood supply, lymphatic structures and fascial spaces of the head and neck.</p> <ul style="list-style-type: none"> • Describe branches and pathway and tissues supplied by the external carotid artery. • Identify blood supply to the dental and associated oral tissues. • Describe pathway and branches of the internal carotid artery and identify tissues supplied. • Describe the overall venous drainage system of the head and neck. • Identify the names of the vessels and describe the pathway of the venous return from the teeth and the oral cavity to the heart. • Explain the structure, function and location of the lymphatic system located in the head and neck region. • Explain lymphatic drainage of the head and neck, including the teeth and periodontium. • Describe primary, secondary and tertiary nodes and discuss their significance. • Explain the general structure and function of fascial spaces in the head and neck region. • Identify major fascial spaces of the head and neck and discuss their relationship to the spread of infection.
8.	<p>Describe the paranasal sinuses.</p> <ul style="list-style-type: none"> • Describe the basic structure and function of sinuses. • Identify and describe the location of the 4 pairs of paranasal sinuses and describe the relationship between the hard and soft tissue structures associated with these sinuses. • Describe the relationship between the maxillary sinus and teeth.
9.	<p>Describe salivary glands and explain breath odor.</p> <ul style="list-style-type: none"> • Describe the location and function of the major and minor salivary glands. • Describe types, compositions and characteristics of saliva of the various glands. • Define and describe the terms antisialogogue, sialogogue, xerostomia, and ropy saliva. • Describe halitosis and

STUDENT EVALUATION

NOTE: minimum passing grade for this course is B- or 70%

DESCRIPTION		WEIGHTING
Tests	Test 1	25%
	Test 2	25%
	Quizzes	10%
Final Exam		40%
<p>If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. If you wish to dispute a final grade you have received, please refer to the Grade Appeal Policy.</p>		TOTAL
		100%

SCHOOL, DEPARTMENT, OR PROGRAM PROCEDURES, REQUIREMENTS, AND STANDARDS

More information available on D2L

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/services/>.

Academic Advising	http://camosun.ca/services/academic-advising/
Accessible Learning	http://camosun.ca/services/accessible-learning/
Counselling	http://camosun.ca/services/counselling-centre/
D2L Support	desupport@camosun.ca
Financial Aid and Awards	http://camosun.ca/services/financial-aid/
Help Centres (Math/English/Science)	http://camosun.ca/services/help-centres/
Indigenous Student Support	http://camosun.ca/learn/school/indigenous-education-community-connections/
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/services/writing-centre/learning-skills
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/services/student-support/
Ombuds	http://camosun.ca/about/ombudsman/
Registration	http://camosun.ca/services/registration/
Technology Support	http://camosun.ca/services/its/
Writing Centre	http://camosun.ca/services/writing-centre/

If you have an urgent mental health concern, please contact **Counselling**. Urgent counselling sessions are available daily at both campuses during business hours. If you have an emergency or need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

STATEMENTS: POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

COLLEGE-WIDE POLICIES

Academic Accommodations for Students with Disabilities

The College is also committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, anxiety, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs and create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate accommodations you need without disclosing your diagnosis or condition to course instructors. If you need to request academic accommodations, you can contact CAL at: accessible@camosun.ca or by phone at 250-370-3312 (Lansdowne) or 250-370-4049 (Interurban). Visit <http://camosun.ca/services/accessible-learning/> for more information.

Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

Student Code of Conduct (Academic and Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Conduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

CHAIR REVIEW DATE: Sept 3, 2020 Mandy Hayre

TEMPLATE VERSION: 2020.1

Changes to this Course Syllabus: Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.