

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 321
COURSE TITLE: Oral Sciences 2
SECTION DETAILS: Wednesday 8:00-9:50am
INSTRUCTOR: Elizabeth Morch | D004 | morch@camosun.bc.ca | 250-370-3215
OFFICE HOURS: Posted on D2L online

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/fag/covid-fags-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

This course applies learning from BIOL 260, DHYG 221, and DHYG 222 to further discussion of topics in periodontology and oral pathology. Risk factors, diagnostic indicators, healing after therapy, prognosis, referral, occlusal influences, and an introduction to chemotherapeutics are included in the study of periodontology. In the area of oral pathology, this course focuses on recognizing and describing clinical characteristics of common intraoral mucosal lesions. Etiology, significance, dental hygiene management of oral lesions and the process of differential diagnosis are also discussed.

<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: 2
 Prerequisite(s): B- in BIOL 260, DHYG 221 and DHYG 222
 Corequisite(s):
 Pre/Corequisite(s): COM in DHYG 371
 Exclusion(s):

COURSE DELIVERY

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture	2	14	28
Seminar			
Lab / Collaborative Learning			
Supervised Field Practice			
Workplace Integrated Learning			
Online			
	TOTAL HOURS		28

Additional Delivery information:

All students will write mid-term exams at scheduled times TBA. All students will write a final exam scheduled during week 15 (exam week).

LEARNING OUTCOMES

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

- a) Describe the main risk factors for common periodontal diseases and explain their significance in the dental hygiene process of care.
- b) Explain healing and prognosis after periodontal therapy and interpret dental hygiene referral guidelines for periodontal diseases.
- c) Discuss the role of occlusal influences on the periodontal tissues.
- d) Explain the actions, roles, and limitations of local delivery methods and chemotherapeutic products commonly used in the treatment of plaque induced gingivitis and periodontitis.
- e) Describe the role of the dental hygienist in identifying and managing oral pathology as part of comprehensive dental hygiene care.
- f) Recognize and describe the characteristics, etiology, significance and dental hygiene management of intraoral mucosal lesions.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Gehrig & Willmann (2019). *Foundations of Periodontics for the Dental Hygienist* (5th ed.). Philadelphia, USA: Wolters Kluwer.

Regezi, Joseph, A., Scuibba, James J., Jordan, Richard C.K. (2017). *Oral Pathology Clinical Pathologic Correlations* (6th ed.). St. Louis. USA: Elsevier.

Darby M., Walsh M. (2015). *Dental Hygiene Theory and Practice* (4th ed.) St. Louis, USA: Elsevier.

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

COURSE CONTENT

Unit 1: Review AAP Classification (read AAP articles)

- Discuss the 2017 AAP classification system for periodontal diseases.
- Recall and apply knowledge of etiology, pathogenesis, clinical features, radiographic appearance, treatment, and prognosis of plaque-induced gingivitis.
- Recall and apply knowledge of etiology, pathogenesis, clinical features, radiographic appearance, treatment, and prognosis of chronic adult periodontitis.
- Discuss acquired gingival deformities and conditions.

Unit 2: Review of Assessment, Diagnostic Relevance & Risk Factors for Periodontal Diseases

- Describe the value and limitations of current periodontal assessment techniques.
- Define the parameters of risk assessment for periodontal diseases.
- Briefly describe the risk factors for periodontal diseases their relevance to dental hygiene care and elaborate on the major risk factors.
- Describe factors that local and systemic factors delay and promote periodontal healing.
- Describe the processes and clinical results of different forms of healing of the periodontium after periodontal therapy.
- Describe the considerations in determining the prognosis of periodontal diseases.
- Describe the guidelines for referral to a periodontist.

Unit 3: Implants

- Discuss the AAP classification of peri implant diseases.
- Discuss implant design, material science and types of implants.
- Discuss presurgical and surgical procedures used to place endosteal implants.
- Differentiate the periodontal tissues surround natural teeth from tissues around implants.
- Identify the characteristics of perimplantitis and mucositis.
- Discuss the maintenance based on histology.
- Discuss implant failure.

Unit 4: Use of Chemotherapeutics in Periodontal Therapy

- Recall terms related to oral chemotherapeutics from DHYG 310.
- Recall the characteristics of an ideal antimicrobial for periodontal therapy from DHYG 310.
- Describe delivery methods for oral antimicrobials, including advantages and disadvantages.
- Identify antimicrobial agents available for periodontal therapy and briefly describe their modes of activity and effectiveness.
- Outline indications for local delivery of antimicrobial in periodontal therapy.
- Discuss host modulation as a therapy for periodontal disease, including chemotherapeutics being researched and their potential role.
- Discuss research-based evidence that supports or negates use of specific subgingival antimicrobials in treating chronic periodontitis.
- Discuss alternatives to chemotherapeutic agents such as laser use and Periowave.

Unit 5 - Documentation and Diagnosis of Oral Pathology

- Describe the role of the dental hygienist in identifying and managing oral pathology as part of comprehensive dental hygiene care.

- Describe the role of the dental hygienist in identifying, diagnosing, and managing oral pathology as part of comprehensive dental hygiene care.
- Apply the procedures and protocols for accurate, concise, and comprehensive documentation of oral pathology.
- Describe the importance of early detection of any soft tissue abnormalities.
- Differentiate between dental and dental hygiene diagnosis in relation to oral pathology.
- Briefly describe the following types of diagnoses clinical, radiographic, historical, laboratory, microscopic, therapeutic, surgical, differential and definitive diagnosis.
- Describe the process by which a definitive diagnosis is reached.

Unit 6: Oral Cancer

- Describe the clinical features and significance pre-malignant or malignant oral or perioral lesions that appear as ulcerations, red-blue lesions, white lesions, verrucal-papillary lesions, and pigmentations.
- Describe diagnostic tests for oral pathology, including procedure, advantages, limitations and uses. Identify the oral and perioral sites at greatest risk for oral cancer, the risk factors for oral cancer and the early warning signs of oral cancer to watch for.
- Describe the referral process for oral pathology and the role of the oral pathologist in the diagnosis of pathology.
- Describe the referral pathways for oral cancer and role and of the BC Cancer Agency in providing services for preventing and treating oral cancer.
- Describe clinical and histological characteristics of premalignant lesions.

Unit 7: Non plaque induced gingivitis

- Discuss gingival lesions of bacterial, viral, fungal, genetic origin.
- Discuss gingival manifestations of systemic conditions.
- Discuss gingival lesions because of trauma or as a reaction to a foreign body.

Unit 8: Oral Pathology

Vesicular or Bullous Lesions

- Discuss Explain the general histology related to the appearance of vesicular and bullous lesions in the oral region.
- Define Nikolsky's sign and its relevance to differential diagnosis of intraoral mucosal lesions.
- Describe the clinical features, etiology, prevalence, significance/implications, dental hygiene management and differential diagnosis lesions/conditions that appear as vesicles.

Ulcerative Conditions

Performance Indicators:

- Explain the general histology related to the appearance of ulcerative lesions in the oral region.
- Define diascopy and explain its application in differential diagnosis of red-blue lesions.
- Describe the clinical features, etiology, prevalence, significance/implications, dental hygiene management and differential diagnosis for lesions/conditions that appear mainly red or red-blue in the oral and perioral region:
 - ulcers related to various sources of trauma including necrotizing sialometaplasia.
 - Differentiate immunologic dysfunction including clinical aphthous ulcers, Behcet's syndrome, erythema multiforme, hypersensitivity reactions, lupus erythematosus, Crohn's.

- Access information on the following more uncommon or rare diseases: leprosy, noma, Reiter's syndrome Wegener's Granulomatosis, Midline Granuloma, chronic granulomatous disease

Unit 9: Red-Blue Lesions

Performance Indicators:

- Explain the general histology related to the appearance of red or red-blue lesions in the oral region.
- Definediascopy and explain its application in differential diagnosis of red-blue lesions.
- Describe the clinical features, etiology, prevalence, significance/implications, dental hygiene management and differential diagnosis for the following lesions/conditions that appear mainly red or red- blue in the oral and perioral region:
 - lesions related to trauma or inflammation including pyogenic granuloma, peripheral giant cell granuloma, petechiae purpura and ecchymoses
 - petechiae purpura and ecchymoses related to blood disorders
 - hypersensitivity reactions including plasma cell gingivitis
 - differentiate infections including candidiasis (red forms), median rhomboid glossitis, angular cheilitis, and scarlet fever
 - vascular malformations and anomalies including, venous varix, congenital hemangioma, and vascular malformations, Sturge-Weber Syndrome, Hereditary Hemorrhagic Telangiectasia (Rendu-Osler-Weber Syndrome), lymphangioma
 - manifestations related to nutritional deficiencies including vitamin B deficiency and. anemia

Unit 10: White Lesions

Performance Indicators:

- Define the term leukoplakia explain its application in differential diagnosis of white lesions.
- Explain the general histology related to the appearance of white lesions in the oral region.
- Describe the clinical features, etiology, prevalence, significance/implications, dental hygiene management and differential diagnosis for the following lesions/conditions that appear mainly white or yellowish-white in the oral and perioral region:
 - variants of normal including leukoedema and fordyce granules
 - traumatic or inflammatory lesions including geographic tongue, frictional hyperkeratosis, linea alba, white lesions related to tobacco use, hairy tongue, chemical and mucosal burns, and dentifrice-associated slough
 - differentiate lesions from infection including candidiasis (white forms), hairy leukoplakia and parulis
- Access information on the following uncommon or rare white lesions: hereditary white lesions: white sponge nevus, follicular keratosis, hereditary benign intra epithelial dyskeratosis, and lipoma.

STUDENT EVALUATION

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

DESCRIPTION	WEIGHTING
Assignment	Online Pathology Assignment 20%
Exams	Midterm 40%

	Final	40%
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 .	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.