



Course Syllabus

Course title: Oral Sciences 3

Class section: DHYG - 322 - X01

Term: 2025W

Course credits: 3

Total hours: 51

Delivery method: In-Person

Territorial Acknowledgement

Camosun College respectfully acknowledges that our campuses are situated on the territories of the Łək̓ʷəŋən (Songhees and Kosapsun) and W̱SÁNEĆ peoples. We honour their knowledge and welcome to all students who seek education here.

Instructor Details

Name: Elizabeth Morch

Email: morch@camosun.ca

Instructor Statement

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.

Instructor Office Hours

Office:

Hours:

003

available on request via email

Course Description

Course Description:

Students will examine emerging topics in periodontology. They will study rare periodontal conditions, the relationship of periodontics to restorative dentistry, and various surgical procedures. In the oral pathology component, students will focus on the study of less common intraoral mucosal lesions, bony lesions, and common lesions of the face.

Prerequisites:

All of:

- B- in DHYG 321

Course Delivery Hours

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture	3	17	51
Seminar			
Lab / Collaborative Learning			
Supervised Field Practice			
Final Exam			
		TOTAL HOURS:	51

Course Learning Outcomes / Objectives

Upon completion of this course a student will be able to:

- Determine the characteristics, significance, and therapeutic considerations for non-plaque-induced gingival diseases/conditions and rare periodontal conditions.
- Analyze the relationship between periodontics and restorative dentistry relative to dental hygiene practice.
- Assess the relevance and limitations of current, advanced, and emerging periodontal assessment or diagnostic methods for periodontal conditions.
- Explain various surgical therapies in the treatment of periodontal diseases and conditions.
- Determine the characteristics, etiology, significance, and dental hygiene management of select lesions affecting soft and hard tissues of the orofacial region.

Course Materials - Required

Regezi, J.A., Sciubba, J.J., & Jordan, R.C.K. (2017). *Oral pathology: Clinical pathologic correlations* (7th ed.). Elsevier.

Gehrig, J.S., Shin, D.E., & Willmann, D.E. (2024). *Foundations of periodontics for the dental hygienist* (Enhanced 6th ed.). Jones & Bartlett Learning. If previously purchased, the 5th edition is also acceptable.

Bowen D.M., & Pieren, J.A. (2020). *Darby and Walsh dental hygiene: Theory and practice* (5th ed.). Elsevier.

The D2L website will be used for posting additional course information.

Learning Outcomes and Performance Indicators

1. Determine the characteristics, significance, and therapeutic considerations for non-plaque-induced gingival diseases/conditions and rare periodontal conditions.

- Recall the AAP classification system for periodontal diseases
- Discuss classification of periodontitis and periodontal conditions other than chronic periodontitis
- Discuss periodontitis associated with genetic disorders and rare diseases
- Describe the etiology, epidemiology, microbiology, histopathology, host response, clinical features, radiological findings, treatment and prognosis of necrotizing periodontal diseases (NUG, NUP).
- Describe the etiology, prevalence, clinical features, microbiology, radiographic findings, dental hygiene management and possible complications of a gingival abscess, periodontal abscess, and pericoronal abscess.

2. Analyze the relationship between periodontics and restorative dentistry relative to dental hygiene practice.

- Describe the etiology of perio-endo lesions and differentiate from periodontal abscess
- Assess radiographic evidence of peri-endo lesion
- Discuss referral and treatment considerations for a combined periodontal/endodontic lesion
- Discuss the interrelationship between restorative dentistry and periodontal conditions in treatment planning, and maintenance

3. Assess the relevance and limitations of current, advanced and emerging periodontal assessment or diagnostic methods for periodontal conditions.

- Apply knowledge of roles and limitations of conventional periodontal assessment and diagnostic methods/ tools to discussion of less common or developing assessment, diagnostic and monitoring methods for periodontal conditions, including their potential role and limitations.
- Discuss developing research regarding new periodontal treatment in consideration of paradigm changes
- Describe tangible and intangible benefits and levels of clinical significance are assessing treatment outcomes of periodontal therapy
- Discuss complex periodontal cases using radiographs and appropriate assessment data

4. Explain various surgical therapies in the treatment of periodontal diseases and conditions. • Discuss the role of the dental hygienist in referring clients for periodontal consultation

- Utilize radiographs to discuss the limitations and benefits of surgical intervention
- Describe the goals, advantages, and disadvantages of periodontal surgery in the treatment of periodontal diseases.
- Describes the various types of surgical therapies both esthetic and therapeutic and their role in the treatment of periodontal conditions.
- Describe healing after periodontal surgery and post-operative care.

5. Determine the characteristics, etiology, significance, and dental hygiene management of select lesions affecting soft and hard tissues of the orofacial region.

Differentiate and describe characteristics, significance and dental hygiene management of lesions affecting mucosa, submucosa and bone of the orofacial region and the face.

Soft tissue enlargements

- Describe the clinical features, etiology, prevalence, dental hygiene management and significance of soft tissue enlargements to enable the process of differential diagnosis, including the following: enlargements from inflammation or trauma (traumatic neuroma, fibromas, lymphoid hyperplasia); infections (mumps, bacterial sialadenitis); immune system disorders (Sjogrens); soft tissue neoplasms (neurofibroma, neurofibromatosis), neoplasms of muscle and fat); salivary gland neoplasms, genetic & congenital disorders (lymphangioma) and soft tissue cysts

Hard Tissue enlargements

- Describe the etiology and clinical characteristics of hard tissue enlargements in oral and perioral tissues.

Radiopaque & Radiolucent Lesions

- Describe the etiology, prevalence, clinical and radiographic features, dental hygiene management and implications of lesions appearing mainly radiopaque, including tori, exostosis, condensing osteitis, odontoma.
- Access information on rare benign tumors typically appearing mainly radiopaque.
- Describe the etiology, prevalence, clinical and radiographic features, dental hygiene management and implications of lesions appearing mainly radiolucent in the oral region, including variants of normal, traumatic or inflammatory lesions, infections, cysts, pseudocysts, and differentiate benign and malignant tumors.
- Apply knowledge of various lesions to the process of differential diagnosis in recognizing, identifying and managing oral pathology.

Pulp Disorders & Inflammatory Jaw Lesions

- Describe common disorders of the pulp including pulpitis, including the following: etiology of pulpitis and the relationship between pulpal irritants, pulpal responses; and host resistance including histological responses to inflammation of the pulp;

- physiology of pulpal pain and types of pain as diagnostic indicators of pulpitis;
- clinical and radiographic findings associated with acute and chronic pulpal disorders.
- Explain the sequelae of untreated pulpitis.
- Describe and differentiate among the following conditions based on clinical and radiographic symptoms: pulpitis, periapical abscesses, and acute and chronic osteomyelitis.
- Discuss internal and external tooth resorption
- Apply knowledge of various lesions to the process of differential diagnosis in recognizing, identifying and managing oral pathology.

Metabolic, Genetic & Neurologic

- Discuss the etiology, prevalence, clinical and radiographic features, dental hygiene management and significance conditions affecting metabolism of hard tissues of the orofacial region, including Paget's disease of bone, hyperparathyroidism, and acromegaly.
- Describe neurologic conditions that may affect the orofacial region, including burning mouth syndrome and Bell's palsy.
- Describe clinical appearance and management of various clefts of the orofacial region.
- Describe the clinical and radiographic features and significance of the following hereditary defects in teeth including: amelogenesis imperfecta, dentinogenesis imperfecta.
- Access information on rare metabolic, genetic and neurologic abnormalities.
- Apply knowledge of various lesions to the process of differential diagnosis in recognizing, identifying and managing oral pathology.

Common lesions of the Face

- Describe the etiology, prevalence, clinical characteristics and dental hygiene management of potentially premalignant or malignant lesions that may present on the face and neck, including basal cell carcinoma, squamous cell carcinoma, melanoma and actinic keratosis and cheilitis.
- Describe common benign lesions of the face and their significance.
- Describe the etiology, prevalence, clinical characteristics and dental hygiene implications of scleroderma

- Apply knowledge of various lesions to the process of differential diagnosis in recognizing, identifying and managing oral pathology.

Course Schedule, Topics, and Associated Preparation / Activity

The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor. Course days, times and locations can be found on MyCamosun.

Week or Date Range	Activity or Topic	Other Notes
Week 1	Course introduction, exam review, rare genetic disorders	
Week 2	HIV, Blood disorders	
Week 3	Acute periodontal infections	
Week 4	pulpal disease	
Week 5	periodontal restorative interface	
Week 6	periodontal surgery	
Week 7	reading week	
Week 8	periodontal surgery	
Week 9	periodontal midterm exam, PDC	
Week 10	PDC reports, research "what new, salivary testing and beyond"	
Week 11	soft tissue enlargements	
Week 12	hard tissue enlargements	
Week 13	metabolic disorders, common lesions of the face	
Week 14	pathology midterm	
Week 15	cases	
Week 16	assignment due	
Week 17	no exam	

Evaluation of Learning: Weighted

DESCRIPTION	WEIGHTING
TOTAL:	100%

DESCRIPTION	WEIGHTING
periodontal midterm	30%
pathology midterm	30%
PDC report	10%
What's New report	10%
Pathology online tool	20%
TOTAL:	100%

NOTE: Minimum passing grade for this course is a B- of 70%

See Camosun's Grading Systems for Details

<https://camosun.ca/registration-records/student-records/camosun-grading-systems>

Grade Reviews and Appeals

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the **Grade Review and Appeals policy** for more information.

<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

The Centre for Accessible Learning (CAL) is part of Camosun's Student Affairs unit. CAL coordinates academic accommodations and provides related programs and services to students with documented disabilities.

Students who require academic accommodations are expected to request and arrange accommodations through CAL in a timely fashion. While we understand that not all accommodation needs are known to students at the beginning of a course, accommodations cannot be provided unless the proper process is followed through CAL and an accommodation letter has been released to the instructor. Students are responsible for providing CAL with the proper documentation prior to the beginning of a course.

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required.

Deadlines can be reviewed on the CAL exams page

<https://camosun.ca/services/academic-supports/accessible-learning/academic-accommodations-exams>

Please consult the CAL webpage for more information:

<https://camosun.ca/services/academic-supports/accessible-learning>

Artificial Intelligence: A Guide for Students

Generative Artificial Intelligence (GenAI) is an evolving technology that brings potential benefits but also substantial risks. While GenAI tools have the ability to transform how we work and learn, it is essential for the college community to adapt to these changes in a thoughtful and secure way.

When using GenAI tools, students should ensure proper citation and attribution guidelines are followed. This includes acknowledging AI assistance in reports, presentations, or any external communications. Clear citation helps build trust, ensures ethical use, and reduces the risk of misinformation or copyright issues.

For citation support visit the college's citation style guide.

<https://camosun.libguides.com/cite>

Artificial Intelligence: A Guide for Students

Visit the following website to learn about AI use in academic settings.

<https://camosun.libguides.com/artificialintelligence/home>

Course Guidelines & Expectations

Class attendance is highly recommended. In class discussion enriches learning and helps integrate theory into the clinical setting.

School or Departmental Information

Students are required to read and are accountable for the College policies (outlined in the section below).

If relevant, students are required to read and are accountable for the guidelines noted on the HHS Clinical and Practice Placements website.

<https://camosun.ca/programs-courses/school-health-and-human-services/hhs-programs/practicums>

In addition students are required to follow the guidelines as described in the School of Health & Human Services (HHS) and program handbooks, including information on supplemental exams.

School of Health & Human Services (HHS) Handbook

<https://camosun.ca/programs-courses/school-health-and-human-services/information-health-and-human-services-students-1#top>

Dental Hygiene Handbook

<https://camosun.ca/programs-courses/school-health-and-human-services/information-health-and-human-services-students-4>

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.

College Policies

Academic Integrity

Students are expected to follow the college's [Academic Integrity policy](#), and be honest and ethical in all aspects of their studies. To help you understand these responsibilities review the online [Academic Integrity guide](#).

The college's [Academic Integrity policy and supporting documents](#) detail the process for addressing and resolving matters of academic misconduct.

Academic Accommodations for Students with Disabilities

If you have a documented disability and need accommodations contact the Centre for Accessible Learning (CAL). CAL will arrange the appropriate academic accommodations so you can participate in all academic activities. Visit the [CAL website](#) for more information

Academic Progress

The [Academic Progress policy](#) details how the college monitors students' academic progress and what steps are taken if a student is at risk of not meeting the college's academic progress standards.

Acceptable Technology Use

The [Acceptable Technology Use](#) policy outlines how students are expected to use college technology resources, this includes using your own devices on the college's network. The use of the college resources in a way that violates a person's right to study in an environment free of discrimination, harassment or sexual violation is prohibited.

Course Withdrawals Policy

For details about course withdrawal see the [Course Withdrawals policy](#). Be aware of the [deadlines for fees, course drop dates, and tuition refunds](#).

Grading Policy

To learn more about grading see the [Grading Policy](#).

Grade Review and Appeals

The process to request a review of grades is outlined in the [Grade Review and Appeals policy](#).

Medical / Compassionate Withdrawals

If you have experienced a serious health or personal issue, you may be eligible for a [medical/compassionate withdrawal](#). The [Medical / Compassionate Withdrawal Request form](#) outlines what is required.

Sexual Violence

If you have experienced sexual violence on or off campus, you can get support from the Office of Student Support. The Office of Student Support is a safe and private place to talk about what supports are available and your options for next steps. Visit the [sexual violence support and education site](#) to learn more or email oss@camosun.ca or phone: 250-370-3046 or 250-370-3841.

Student Misconduct (Non-Academic)

Camosun expects students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Review the [Student Misconduct Policy](#) to understand the college's expectations of conduct.

Looking for other policies? See [Camosun College Policies and Directives](#)

Services and Supports

Services are free and available to all students.

Academic Supports	Enrollment Supports
Centre for Accessible Learning	Academic Advising

English, Math and Science Help Centres	Financial Aid and Awards
Library	Registration
Writing Centre & Learning Skills	Tuition and Fees
Health and Wellness	Applied learning
Counseling	Co-operative Education and Career Services
Fitness and Recreation	Makerspace
Office of Student Support	

The [Centre for Indigenous Education Centre and Community Connections](#) provides cultural and academic supports for Indigenous students.

[Camosun International](#) provides supports to international students.

[The Ombudsperson](#) provides an impartial, independent service to ensure students are treated fairly. The service is a safe place for students to voice and clarify concerns and complaints.

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

Changes to this 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 the course content or schedule. When changes are necessary the instructor will give clear and timely notice.