

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 370
COURSE TITLE: Clinical Theory 3
SECTION DETAILS: Mondays 8:30am-10:30am and Wednesdays 10:00am-12:00pm
INSTRUCTOR: Leta Zaleski | D003 | zaleskil@camosun.bc.ca | 250-370-3453
OFFICE HOURS: Friday 1:00-3:00 pm and by 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

This course builds on DHYG 280 with a focus on the integration of clinical theory, professional practice and dental science into complex care planning for clients of a variety of ages and those with diverse dental and medical conditions. This course prepares learners for increased responsibility in managing assessment, planning, diagnosis, implementation and evaluation of dental hygiene client care.

<input checked="" 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 type="checkbox"/>	Blended delivery: A mixed delivery of both synchronous and asynchronous.
-------------------------------------	---	--------------------------	---	--------------------------	--

Course Credits: 4
 Prerequisite(s): B- in BIOL 260, DHYG 221, 222, 231, and 280; COM in DHYG 281
 Corequisite(s):
 Pre/Corequisite(s): B- in DHYG 321
 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:

This course is scheduled for 15 weeks; the last week is reserved for final exams.

LEARNING OUTCOMES

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

- Explain the possible oral implications of diverse dental conditions for dental hygiene services.
- Analyze the elements of comprehensive dental hygiene care for clients with diverse dental and medical conditions.
- Explain communication and collaboration issues associated with the process of care for clients of a variety of ages and diverse backgrounds.
- Analyze dental hygiene educational, preventive, and therapeutic services in relationship to the available evidence.
- Examine advocacy approaches that support access to dental and dental hygiene care for individual clients.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Bowen, D.M., & Pieren, J.A., (2020). Darby and Walsh Dental Hygiene Theory and Practice, 5th Ed. Elsevier

Clinic Manual, Camosun College Dental Hygiene Program; 2020-2021

Selected Readings posted to D2L

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

ACTIVITY
Schedule will be posted on D2L

Students are expected to attend all classes, small group sessions and engage sufficiently in order to safely apply theoretical content and concepts to the clinical environment. Students must be prepared to communicate and share knowledge and ideas with others; participate in discussion forums; self-evaluate, and provide constructive feedback to their peers. Pre-reading/preparation and attendance is essential in order to integrate the knowledge, skills and expectations for professional behaviour from other courses and to make the learning experience meaningful. Attendance will be monitored for each class with marks deducted for all unexcused absences. Missing three or more classes ($\geq 10\%$) increases the risk for students to be unsuccessful in meeting the learning outcomes for this course.

Introduction and Orientation to the Course

- Discuss updated clinical protocols and the evaluation plan for DHYG 370 and DHYG 371.

Introduction to Major Project

- Discuss the literature review process, format and plan for completion.
- Preparation for final project (research, timelines, etc.)

Case Studies

- Discuss the rationale for developing case studies, and appropriate content.
- Utilize appropriate strategies to present a case study based on care provided for a child client.

Screening Process

- Discuss the screening process used at Camosun College.

Review of Care Planning Process, Informed Consent, Post-Care Evaluation and Prognosis

- Recall the Camosun College Dental Programs' protocols for care planning and evaluation, re-evaluation, documentation, and chart auditing..
- Construct appropriate dental hygiene diagnostic statements using the Human Needs Model and periodontal classifications using the 2017 American Academy of Periodontology (AAP) classification scheme.
- Employ the Human Needs theory and social determinants of health when creating dental hygiene preventive care, periodontal maintenance and NSPT care plans for clients with diverse medical and/or dental considerations.
- Recall the legal requirements and process for obtaining informed consent.
- Analyse realistic expectations of tissue response for gingivitis and periodontitis.
- Audit documentation ensuring practice standards for documentation and comprehensive quality care are completed.

Advanced Power and Manual Instrumentation and Ergonomics

- Recall mechanized instrumentation techniques used in nonsurgical periodontal therapy, periodontal maintenance and preventive therapy.
- Recall similarities and differences between magnetostrictive, piezoelectric, and sonic instrumentation.
- Recall indications and contraindications for mechanized instrumentation.
- Discuss additional precautions for the use of ultrasonic/power instruments during a pandemic.
- Recall strategies for appropriate insert or tip selection based on client needs and delivery unit.
- Recall fundamentals of manual instrumentation.
- Explain characteristics and uses for accessory instruments needed for complex periodontal debridement.
- Explain debridement around oral appliances.
- Discuss advanced magnetostrictive tip selection for non-surgical periodontal therapy.
- Discuss advanced fulcruming during debridement.
- Problem solve challenges that can occur during debridement.

- Discuss ergonomic positioning for reinforced periodontal positioning including standing position.
- Recall strategies to support long-term clinician health during the provision of dental hygiene care.

Dental Implants

- Describe the characteristics of implants in health and disease.
- Describe techniques for debridement of dental implants
- Describe self-care protocols for dental implants
- Discuss the rationale when establishing continuing care intervals for clients with dental implants.

Air Polishing

- Compare and contrast air polishing to conventional rubber cup polishing including technique and client management.
- Explore the paradigm of guided biofilm control.
- Discuss armamentarium used during supra- and subgingival air polishing.
- Describe set up and maintenance of supra- and subgingival air polishing equipment.
- Describe techniques for supra- and subgingival air polishing using various types of agents, tips, and delivery systems.
- Discuss indications and contraindications for supra- and subgingival air polishing.
- Discuss additional precautions for the use of air polishing during a pandemic.
- Problem solve challenges arising with air polishing.

Pit and Fissure Sealants and Resin Infiltration

- Describe sealants and their role in a comprehensive oral health care program.
- Discuss research findings regarding sealant retention and caries reduction.
- Describe sealant materials and kits for various applications.
- Explain the steps of sealant application, following the manufacturer's directions.
- Explain information to discuss with the client and parent/guardian regarding sealants including the need for follow up visits.
- Discuss the use of resin infiltration within the dental hygiene scope of practice.
- Explain the process for placing a resin by infiltration on interproximal and facial surfaces.

Providing Dental Hygiene Care for Children and Youth

- Apply the Infant's Act to dental hygiene practice.
- Explore the process of care for children and youth clients.
- Determine modifications required to the process of care such as knee to knee examinations and behaviour management strategies when providing care to child and youth clients.
- Analyse assessments of the oral conditions in the mouth of children at various ages.
- Develop a dental hygiene diagnosis and care plan for a child and youth client.
- Discuss nutrition recommendations for children at various ages.
- Assess nutrition of child and youth clients and incorporate into care.
- Generate approaches to involve parents/care-givers in self-care with children in the office and home environments.
- Identify signs and symptoms of child abuse; the dental hygienist's legal and ethical responsibilities, and role in advocacy for the protection of children.
- Prepare to provide care to children and youth with primary and mixed dentition.
- Identify and examine interventions to reduce caries risk (CAMBRA) for primary and mixed dentition.
- Document findings according to CDHBC guidelines for documentation.
- Discuss communications strategies applicable to children of various ages.

Orthodontic Care

- Assess and determine the need for referral for orthodontic care.
- Describe various orthodontic considerations that affect dental care.
- Describe the biomechanics of tooth movement.
- Explore a variety of orthodontic appliances used to address the three main types of orthodontic treatment.
- Identify the risks associated with orthodontic treatment and ways to mitigate these risks.
- Discuss collaboration when considering orthodontics related to restorative, periodontal and implant needs.
- Instruct clients on effective self-care regimens prior to and during orthodontic treatment.

Impressions and Study Models

- Explain the rationale for taking impressions and creating study models.
- Explain the composition, properties and manipulation of alginate and dental stone.
- Describe possible tissue responses to alginate.
- Explain rationale that influences tray selection.
- Describe the preparation of impression trays prior to taking impressions.
- Explain the purpose and procedure of inter-occlusal records (wax bites).
- Explain conditions that modify or contraindicate obtaining impressions, including precautions.
- Describe approaches for obtaining impressions and inter-occlusal records.
- Explain the preparation of impressions and inter-occlusal records for pouring in the laboratory.
- Explain the procedure for pouring impressions.
- Explain chart entry for impressions including appropriate symbols, abbreviations and terminology to meet medico-legal requirements.
- Determine criteria for acceptable impressions and study models based on intended purpose.
- Describe uses of study models during dental and dental hygiene care.

Amalgam and Composite Restorations, Margination and Polishing

- Discuss the characteristics of various direct and indirect dental restorative materials.
- Explain the composition, preparation, placement, and finishing of restorative materials.
- Recognize how dental materials and techniques used to restore the teeth and surrounding oral structures, affect the delivery of dental hygiene care.
- Describe the interaction between specific dental materials and the surrounding oral tissues.
- Compare and contrast the use, benefits, drawbacks and safety of amalgam, composite, porcelain, and gold restorative materials.
- Discuss the purpose and technique for margination along with the techniques and armamentarium involved for amalgam and composite materials.
- Discuss the purpose for polishing amalgam along with the technique and armamentarium involved.

Sleep Apnea

- Describe the risk factors and consequences associated with OSA.
- Describe the dental hygienist's role in screening and protocol for referral for OSA.
- Recognize the signs and symptoms of obstructive sleep apnea in adults and children.
- Describe the options to treat OSA including oral appliance therapy.

Pulp vitality

- Recall sources of tooth sensitivity.
- Analyse assessment approaches to gain data related to areas of tooth sensitivity.
- Compare and contrast approaches used to determine the health of the pulp (including but not limited to ice, percussion, heat, radiographs, electric vitality testing).

- Discuss causes, diagnosis and treatment of reversible and irreversible pulpitis.

Oral Cancer Risk Assessment

- Recall common risk factors for oral cancer and health promotion strategies to decrease risk for diverse groups.
- Recall the use and significance of fluorescent visualization (Velscope™).
- Discuss the use of Toluidine Blue in assessing tissue changes in the oral cavity.
- Discuss BC Cancer protocols for lesion monitoring and referral.

Adjunctive Caries Detection Devices

- Discuss various technologies available for dental caries detection.
- Compare the various devices currently on the market for caries detection.
- Explain information to discuss with the client regarding findings associated with an adjunctive device, including the need for follow-up and/or referral.
- Discuss the armamentarium and process for using a caries detection device.

Whitening Process

- Explain the chemical process of whitening.
- Analyse options available for whitening internal and external staining.
- Describe relative contraindications and safety of whitening.
- Describe the fabrication and benefits of whitening trays.
- Discuss the process of care in providing a client with a whitening system.

Temporary Restorations, Dental Dam, Instrument Transfer, and Interim Stabilization Therapy

- Explain the composition, mixing, placement, and finishing of IRM restorations.
- Discuss the benefits of dental dam use in dentistry.
- Discuss the materials and instruments used in rubber dam placement.
- Discuss the procedure of placing a rubber dam.
- Discuss the benefits of successful instrument transfer.
- Explain the purpose of interim stabilization therapy and the technique involved.

Sports Mouthguards

- Explore the dental hygiene scope of practice related to mouthguards.
- Explain the role of mouth guards in promoting oral health.
- Describe the types of sports guards and determine the appropriate mouthguard for various classifications of static occlusion.
- Analyze trends in sports-related injuries including the relationships of dental trauma to concussions.
- Describe the fabrication steps for a custom sports mouthguard.

Professionally Applied Subgingival Irrigation

- Discuss indications for use of professional subgingival irrigation, equipment, and technique in the prevention and treatment of inflammatory periodontal disease.
- Distinguish between the various modes of delivery available for the clinician's application of chemotherapeutics in professional settings.
- Compare various agents used for subgingival irrigation.

Utilize information about nutritional standards and guidelines including Canada's Food Guide in nutritional analysis and client counselling for caries control and overall and oral health.

- Describe the role of the dental hygienist in nutrition counselling as part of comprehensive dental hygiene care.
- Identify nutritional requirements for optimum health using the recommendations and guidelines for healthy eating, from Canada's Food Guide (CFG).
- Describe the process of involving a client in the completion of a food record from client selection criteria, written details of diet and patterns and non-directive nutrition counselling techniques.
- Analyse personal and other food choices and make recommendations for alternative food choices and eating patterns, which promote both general and oral/dental health.
- Develop comprehensive written communication that would best inform clients on the relationship between good nutrition and general health as well as oral health as indicated in a dietary analysis.
- Discuss food factors such as; culture, budget, preparation and patterns that affect nutritional choices for individuals of any age and cultural diversity.
- Counsel a client on nutritional management based on analysis of a client food record as related to the guidelines for healthy eating and the CFG and associate dietary habits to oral and general health.
- Incorporate a variety of communication strategies such as non-directive techniques (as presented in DHYG 245).
- Utilize information gained on the relationship between fermentable carbohydrates and dental caries from DHYG 219 when counseling and providing nutritional recommendations.

STUDENT EVALUATION

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

DESCRIPTION		WEIGHTING
Assignments	Literature Review	25%
	Child Case Presentation	20%
	Clinical Integration Exercises	10%
Participation and Attendance		5%
Exams	Midterm exam	20%
	Final Exam	20%
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

A grade of 70% in both the Assignments and Exams section of the Student Evaluation plan is required to achieve a passing grade for this course.

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.