Course Syllabus

Course title: Professional Practice 2

Class section: DHYG **-** 246 **-** X01

Term: 2025W

Course credits: 3

Total hours: 68

Delivery method: In-Person

Territorial Acknowledgement

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

Instructor Details

Name: Michelle Meunier
Email: MeunierM@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:
D004	By Appointment - meunierm@camosun.ca

Course Description

Course Description:
Students are introduced to evidence-informed practice and research methodology. Exploring a variety of research designs, developing clinical research questions, and accessing credible, evidence-informed resources helps students understand the significance of evidence-informed decision making in dental hygiene practice. Students apply research and information literacy principles to learn the role of critical reflection on the process.

Prerequisites:
All of:

- B- in DHYG 245

Course Delivery Hours

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture	4	17	68
Seminar			
Lab / Collaborative Learning			
Supervised Field Practice			
Final Exam			
		TOTAL HOURS:	**68**

Course Learning Outcomes / Objectives

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

- Discuss the basics of research design and research methodologies relevant to dental hygiene practice.

- Explain the principles of evidence-informed practice and apply these to dental hygiene practice.

- Employ the process of obtaining evidence-informed research as it relates to dental hygiene.

- Evaluate professional and scientific literature relevant to dental hygiene practice.

- Apply the principles of information literacy and academic referencing to dental hygiene practice.

- Apply research findings to dental hygiene practice.

- Evaluate the application of evidence to dental hygiene practice.

Course Materials - Required

Student CDHA/BCDHA Membership

Gadbury-Amyot C., & Pieren J.A. (2025). *Darby and Walsh dental hygiene: Theory* and practice (6th ed.). Elsevier

Learning Outcomes and Performance Indicators

1. Discuss the basics of research design and research methodologies relevant to dental hygiene practice.

- Describe the scientific research process

- Define what is considered to be evidence and how evidence is formulated through research

- Identify and describe the main components and types of research designs

- Differentiate between experimental and non-experimental approaches to research

- Define ethnography and phenomenology in research

- Compare and contrast qualitative and quantitative research methods including mixed methods

- Distinguish between primary and secondary research, deductive and inductive reasoning, and differentiate between basic and applied research

- Define sampling and differentiate between a population and sample

- Distinguish between simple random, systematic stratified, cluster sampling, convenience sampling, and cohort sampling techniques

2. Explain the principles of evidence-informed practice and apply these to dental hygiene practice.

- Explain the goals of research
- Define evidence-informed practice
- Identify various ways of knowing and note their limitations
- Explain why decolonization is necessary for learning about Indigenous knowledge systems and ways of knowing

3. Employ the process of obtaining evidence-informed research as it relates to dental hygiene.

- Identify and describe research strategies for systematic inquiry related to evidence based dental hygiene services
- Locate appropriate literature and evaluate sources of information
- Explore medical/dental data bases and search strategies
- Discuss indexing in Medline
- Discuss filtered vs non-filtered online data bases
- Describe contemporary research topics and various types of professional reports
- Discuss sources of support available for dental health research
- Explore importance of creating a focused research question
- Discuss and explore writing a PICO question/focused research question
- Perform computer/media search for background and foreground information

4. Evaluate professional and scientific literature relevant to dental hygiene practice.

- Examine part of a journal article (Abstract, introduction, review of existing research, purpose of the research, methods, findings, analysis/discussion of the findings, recommendations for dental hygiene practice, recommendations for future research)
- Recognize common errors in reasoning
- Describe the role of an ethics review board and how ethical principles are applied in research
- Explain how rigour is achieved in qualitative research
- Define internal and external validity
- Identify the main techniques used to assess reliability and validity
- Define critical thinking as it applies to dental hygiene research

1. Critically read journal articles

2. Critically appraise research articles

- Explain the steps for critically appraising research and research articles including

  - Research article checklists (Eg: CASP)

  - How to determine if an article is peer reviewed

  - Hierarchy of journal articles

  - Critically appraising open source journals

  - Author credentials

  - Study design

  - Methods and materials

  - Validity and reliability

  - Data collection, analysis, and presentation

  - Funding

  - Limitations

  - Evaluating internet websites and sources

  - Bias

  - Conflict of interest

- Discuss the need to critique research

- Explore writing annotated bibliographies

- Explain the meaning of the results of quantitative and qualitative studies

- Review statistical methods and presentation of statistical data within a research article

  - Discuss p value and confidence intervals

  - Compare and contrast statistical analysis as it pertains to various data and forms of research

  - Discuss presentation of statistical data in research article

  - Describe how to write a research critique

5. Apply the principles of information literacy and academic referencing to dental hygiene practice.

- Discuss the use of technology to access information in consideration of research ethics, copyright guidelines and approval

- Recall, explore and apply various citation styles for literature referencing

  - APA 7th edition

  - Vancouver style

- Discuss the process of writing and assimilating research for a narrative review

- Create an outline in preparation of writing a narrative review

- Review the concepts of academic writing

6. Apply research findings to dental hygiene practice.

- Explain the importance of a narrative (literature) review and when to conduct one

- Describe how to complete a narrative (literature) review

- Locate appropriate literature and evaluate sources of information

- Discuss and differentiate between a narrative review, literature review, meta analysis, and systematic review

- Conduct a narrative (literature) review on a specific dental hygiene topic

- Discuss how to apply the results of narrative review to dental hygiene practice

- Describe how dental hygienists can contribute to research updates in practice

7. Evaluate the application of evidence to dental hygiene practice

• Discuss evaluation process for implementing new practices based on evidence in dental hygiene practice

- Evaluate what may be considered best evidence in practice

- Discuss and explore statistical significance vs clinical significance and how they apply to clinical decisions in practice

- Explore reflective practice in context of evidence-based practice

- Discuss and explore the application of clinical practice guidelines in dental hygiene practice

- Discuss timeline from research conducted to adopting to standard of care

- Discuss challenges with knowledge translation and acquisition to implementation in clinical practice

Course Schedule, Topics, and Associated Preparation / Activity

Week 1 and 2	Unit 1 - Scientific Research Approach
Week 3	Unit 2 - Types of Research
Week 4	Unit 3 - Research Techniques
Week 5 - 8	Unit 4 - Appraising and Critiquing the Research/Literature
Week 9 - 10	Unit 5 - Analyzing the Data
Week 11-13	Unit 6 - Academic and Scientific Writing
Week 14-16	Unit 7 - Applying Evidence into Clinical Practice

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.

Evaluation of Learning: Weighted

DESCRIPTION	WEIGHTING
Term Exam	**20%**
Annotated Bibliography	**15%**
Outline	**10%**
Narrative Review	**30%**
Capstone Attendance	**5%**
Meeting with librarian/research check in	**5%**
Participation and in class exercises	**15%**
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

Regular attendance and engagement with course material is necessary to understand and apply the content and concepts from this course into clinical practice. Students are expected to internalize and integrate the knowledge, skills and expectations for professional behaviour from this course to safely deliver dental hygiene care. Absence from class and lack of preparation increases the risk for students to be unsuccessful in meeting the learning outcomes for this course. Students are responsible to acquire all information given during a missed class, including notes, handouts, schedule changes, etc

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](#)	
[Fitness and Recreation](#)	[Co-operative Education and Career Services](#)
[Office of Student Support](#)	[Makerspace](#)

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.