

## DENTAL HYGIENE DEGREE PROGRAM

**Course Name:** Oral Epidemiology

**Course Coordinator:** Dr. Batoul Shariati

**Course Number:** DHYG 401

**Number of Credits:** 6

**Target Audience:** This course is intended for students in the Dental Hygiene Degree Program. It is a core course for dental hygiene students in all admissions options. Students must be computer-literate.

**Course Format:** Online, 2 terms, in-class tutorials.

### Calendar Course Description:

Basic epidemiological and statistical concepts and tests relevant to evidence-based oral health practices.

### Program Course Description:

This course includes basic epidemiological and statistical concepts and tests relevant to the analysis of oral health sciences literature for application to oral health issues. The students need to be aware that the workload in Term 1 of this course is substantial.

**Prerequisites:** Successful completion of previous year.

### Course Goals:

- To explain principles of epidemiology and statistical methods to support evidence based decision-making.
- Use outcomes of statistical tests to explore population health issues.
- Use epidemiological data in making evidence-based decisions related to oral health issues.

### Learning Outcomes:

Upon completion of this course, the student will be able to:

- Explain common statistical terms, procedures and tests used in oral health sciences research.
- Compare a range of basic epidemiological terms, concepts, measures/indices and study types, and their relevance to understanding population health.

- Apply principles and methods of epidemiology and biostatistics to the assessment of oral health data.
- Interpret the outcomes data of statistical and epidemiological approaches presented in diverse literature.
- Locate local, national and international resources related to population health.
- Explore ethical issues related to epidemiology and statistics.
- Demonstrate professionalism by taking responsibility for learning, and making constructive contributions to the learning of others through course activities and projects.

**Course Content:**

Topics include but are not limited to:

- Central concepts, terms and approaches used in epidemiology
- Concepts, terms and approaches used in statistics
- Epidemiological measures and indices relevant to oral health
- Measurements of population health
- Key statistical analytic procedures and tests
- Outcomes of statistical tests and their limitations
- Analysis of literature related to population oral health
- Application of epidemiological data to the understanding of oral health issues

**Method of Student Assessment:**

UBC Dental Hygiene Competencies assessed include:			
Professionalism	✓	Scientific Investigation	
Health Promotion		Communication	✓
Oral Health Education		Collaboration	✓
Oral Disease Prevention		Coordination	
Clinical Therapy		Advocacy	
Critical Thinking	✓	Policy Use	
Research Use	✓	Leadership	
<i>Foundational knowledge related to the process of dental hygiene care</i>			✓

- 1. Professionalism** (all course related environments)  
Professionalism must be passed as outlined in all of the following

**Pass/Fail**

documents:

- "Professional Standards for Learners and Faculty Members in the Faculties of Medicine and Dentistry at the University of British Columbia", the "Code of Ethics", (2015-16 UBC Faculty of Dentistry Academic Policies and Procedures, Undergraduate Programs (DMD, IDDCP, DHDP))  
[secure.dentistry.ubc.ca/intranet/academicpoliciesandprocedures](http://secure.dentistry.ubc.ca/intranet/academicpoliciesandprocedures)
- The UBC "Student Declaration and Responsibility" statement  
[www.calendar.ubc.ca/vancouver/index.cfm?tree=3,285,0,0#15613](http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,285,0,0#15613)

- a. Term 1: Instructor Assessment \*
- b. Term 2: Instructor Assessment \*

**2. Knowledge: Exams (Individual Work) 45%**

- a. End of Term 1: Examination (20%)
- b. End of Term 2: Final Examination (25%) [cumulative including Term 1]

**3. Abilities: Problem & Case Analyses 55%**

- a. Term 1: Problem Analysis (Individual work) (20%)
- b. Term 1: Case Analysis 1 (Team work)\* (10%)
- c. Term 2: Case Analysis 1 (Team Work)\* (10%)
- d. Term 2: Case Analysis 2 (Team Work)\* (15%)

**Total 100%**

**\*NOTE: You will be working collaboratively in teams to complete some course assessments. If there is evidence to suggest that an individual did not contribute substantively to a team project, the grade for that person may be less than the overall team grade.**

**Student Assessments include the following 3 components:  
Professionalism, Knowledge, and Abilities**

**Each component must be passed to successfully complete the course.  
The passing grade in the Faculty of Dentistry is 60%.**

### **Plagiarism**

In order to support the academic integrity of the dental and dental hygiene programs by reducing opportunities for plagiarism and to ensure a level playing field for all students, faculty reserve the right to submit papers and grad theses to turnitin.com to confirm the originality of the material. Students may obtain more information on turnitin.com from the Office of the Provost and VP Academic.

Plagiarism, which is the submission of someone else's work as one's own without acknowledging the source of the material, is considered to be both academic misconduct and unprofessional, and students who plagiarize will not only receive a grade of zero on the applicable assignment, and therefore the applicable Module or Course, they may be suspended from the University or subject to other academic discipline.

When completing written assignments, students are expected to review multiple sources of information and report their findings in their own words. It is the responsibility of students to familiarize themselves with what constitutes plagiarism and how to prevent it.

Suspected incidents of plagiarism will be referred immediately to the President's Committee for Academic Misconduct. See the Policies and Regulations > Student Conduct and Discipline section of the UBC Calendar.

Resources:

<http://learningcommons.ubc.ca/guide-to-academic-integrity/>

<http://vpacademic.ubc.ca/integrity/ubc-regulation-on-plagiarism/>

<http://www.lib.sfu.ca/help/tutorials/plagiarism-tutorial>

[http://okanagan.students.ubc.ca/calendar/index.cfm?tree=3,54,111,0.](http://okanagan.students.ubc.ca/calendar/index.cfm?tree=3,54,111,0)

**Class Schedule:** Please see OSCAR for class timetable.