

COURSE OUTLINE

Course Name: Prevention and Biomaterials

Department Head/Coordinator: Department Head: Lisa M Supeene **Effective Date:** September 2012

School or Centre:		Department:	
School of Health Sciences		Dental Hygiene	
Course History:		Year of Study:	
Replacement Course		2nd Year Post-secondary	
Name of Replacing Course (if applicable):	Preventive Dentistry and Biomaterials DHAC 2104	Course Number:	DHAC 2274
		Number of Credits:	6.0

Course Pre-requisites (if applicable):

Term 1 courses in Dental Hygiene Access Program

Course Co-requisites (if applicable):

Term 2 courses in Dental Hygiene Access Program

PLAR (Prior Learning Assessment & Recognition)

No Yes (details below):

Course Description:

This course is designed to provide knowledge related to the selection and adaptation of biomaterials in the prevention and treatment of oral disease, health psychology, educational principles and strategies important for promoting oral and general wellness, and biochemistry and nutrition related to oral and general health.

Instructional Strategies:

Instructional strategies include asynchronous online discussion and small group work.

Course Learning Outcomes:

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

1. Analyze the evidence related to preventive approaches in oral health care.
2. Explain the clinical manifestations that reflect the benefits and/or side effects of dental materials.
3. Analyze self-care educational principles and strategies related to the maintenance and promotion of oral and general health.
4. Explain the dental hygienist's role in client advocacy using health psychology models and theories and considering the social determinants of health.

Program Learning Outcomes:

A graduate has met the goals of the VCC Dental Hygiene Diploma program based on the Entry-to-Practice Standards and Competencies for Canadian Dental Hygienists (1) by reliably demonstrating knowledge, skills, and attitudes in the following domains:

1. Professional: Use elements of the arts and science of dental hygiene in the service of the public such as the application of codes of ethics and professional conduct, the development of safe practice environments, and the responsibility/accountability for decisions and actions appropriate for a self-regulating profession.
2. Communicator/Collaborator: Use effective verbal, non-verbal, visual, written, and electronic communication methods in the exchange of ideas, opinions and information relevant to dental hygiene practice. As well as influence and work with others to improve the health and well-being of the public.
3. Critical Thinker: Invoke systematic inquiry, reasoning, problem-solving and decision-making strategies in the provision of all dental hygiene services.
4. Advocate: Speak, write, or act in support of causes, policies, individuals, or groups that aid to reduce inequities in health status or improve access to health services.

Coordinator: Support client needs and outcomes through the coordination and management of services, actions and resources.

5. Clinical Therapist: Provide primary, interceptive, therapeutic, preventive, and supportive care procedures that enable individuals and groups to achieve optimal oral health that contributes to overall health.
6. Oral health educator: Apply teaching and learning principles to facilitate the development and expansion of skills, attitudes, knowledge and behaviour which support oral health and general health.
7. Health promoter: Use health promotion principles and strategies to enable individuals and groups to increase their control over and to improve their health.

1 Canadian Dental Hygienists Association (CDHA). Entry-To-Practice Competencies and Standards for Canadian Dental Hygienists. Ottawa, ON: CDHA, 2010. Available from: www.cdho.org/otherdocuments/EntrytoPractice.pdf

Evaluation/Grading System

Grading System	Specify if 'Other':	Specify Passing Grade:
Letter Grades		C

Components and Weighting of the Assessment/Evaluation Plan:

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
Participation	15	Participation in online activities and discussions
Project	15	Self-care and advocacy case based project
Project	10	Biochemistry / Nutrition Project
Midterm Exam	30	Written examinat
Final Exam	30	Written examinat
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Total		100

Learning Environment/Type

Instruction Type	Hours Per Instruction Type	Comments
I - Internet/eLearning (Fully Online)	180	
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Enter Total Hours	180	

Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

Course Topics and Sequence Covered:

1. Oral health aids and techniques
2. Oral health agents
3. Concepts and models of health psychology related to health promotion
4. Educational strategies used to promote prevention and intervention of oral disease and promote wellness
5. Client advocacy and the social determinants of health
6. Essential nutrients and food groups
7. Dietary assessment techniques
8. Biomaterial impact on oral tissues

VCC Education and Education Support Policies

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

<http://www.vcc.ca/about-vcc/policies/index.cfm>

To find out how this course transfers, visit the BC Transfer Guide at www.bctransferguide.ca.

FOR COMMITTEE USE ONLY

Date Approved by Education Council:		Date Approved by VCC Board (if applicable):	
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