



**CAMOSUN COLLEGE**  
*School of Health & Human Services*  
*Dental Programs*

**DHYG 181**  
**Clinical Course 2**  
**Semester 2 – WINTER 2013**

**COURSE OUTLINE**

**The Approved Course Description is available on the web @**

<http://www.camosun.bc.ca/calendar/current/web/dhyg.html>

*Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records.*

**1. Instructor Information**

<b>(a) Instructor</b>	Bonnie Blank
<b>(b) Office hours</b>	Posted on door
<b>(c) Location</b>	Dental Building Room 002
<b>(d) Phone</b>	250-370-3192 <b>Alternative:</b> 250-477-2662
<b>(e) E-mail</b>	blankb@camosun.bc.ca
<b>(f) Website</b>	

**2. Course Description**

- a. This course builds on DHYG 171 with a focus on applying clinical theory and psychomotor skills to clinical practice with clients in the onsite clinic. Learners are mentored as they navigate the increased complexity of dental hygiene practice in applying assessment, planning diagnosis, implementation, evaluation, professionalism, health and safety to client care.
- b.
  - i.) Pre-requisites: n/a
  - ii.) Co-requisites: see below
  - iii.) Pre/Co-requisites: BIOL 160 , DHYG 110, Dhyg 120, Dhyg 145, Dhyg 170, Dhyg 171, DHYG 181
- c. Course Particulars:
  - i.) Credits: 4.0
  - ii.) Components: Class Hours: 12 hours
  - iii.) Course is not available by distance.
  - iv.) Prior learning is not available for this course.

A weekly schedule of class and will be distributed separately.

### 3. Required Materials

(a) Texts

- Darby/Walsh, Dental Hygiene Theory and Practice, 3rd edition
- Nield-Gehrig, Fundamentals of Periodontal Instrumentation, 7th edition
- Nield-Gehrig, Patient Assessment Tutorials, 2nd edition
- Camosun College Dental Hygiene Clinic Manual, 2012 edition
- Additional handouts/articles may be given throughout the Term

(b) Other: Kilgore teeth

### 4. Intended Learning Outcomes

<b>Learning Outcomes for DHYG 181 Clinical Theory 2</b>	<b>Program (Global) Outcomes (FYI)</b>
<p>Upon successful completion of this course a student will be able to:</p> <ol style="list-style-type: none"> <li>1. Demonstrate consistent professional behaviour in a clinical setting (A)</li> <li>2. Demonstrate effective written, oral and expressive communication skills in dental hygiene practice. (B)</li> <li>3. Demonstrate practices that ensure the health, safety and well-being of self and others in the clinical setting. (C,F,E)</li> <li>4. Collaboratively and independently begin to apply assessment, diagnosis, planning and implementation and evaluation processes to client care. (F)</li> <li>5. Develop and practice instrumentation and psychomotor skills to ensure quality client care.</li> <li>6. Begin to use evidence based practice, critical thinking and problem solving skills in working with clients and the team. (F)</li> <li>7. Integrate basic behavioural, biological and dental sciences into clinical situations. (F)</li> </ol>	<ol style="list-style-type: none"> <li>A. <i>Function as a professional dental hygienist.</i></li> <li>B. <i>Communicate and collaborate effectively with individuals, family, community and interdisciplinary teams.</i></li> <li>C. <i>Demonstrate critical thinking and use evidence based decision-making to provide optimal dental hygiene services to individuals, families and community.</i></li> <li>D. <i>Advocate to improve oral health and access to oral health services for individuals, families and community.</i></li> <li>E. <i>Coordinate and contribute to the effective management of the practice environment to ensure quality care and services.</i></li> <li>F. <i>Function as a competent clinician using the dental hygiene process of care.</i></li> <li>G. <i>Educate individuals, families and community about oral health including its relationship to general health.</i></li> <li>H. <i>Apply health promotion principles to improve the health of individuals, families and community.</i></li> </ol>

## 8. Course Elements and DHYG 181 Session Outcomes

### DHYG 181- Clinical Course Outcomes

## 9. Course Elements and DHYG 181 Session Outcomes

### Session 1: Introduction and Orientation to the Course

*Upon completion of this session you need to be able to:*

### Session 2 & 7: Instrumentation including files— Review

*Upon completion of this session you need to be able to:*

1. Practice as a professional in a clinical setting with guidance.
2. Assess strategies that support balanced positioning.
3. Select instruments based on their design parameters to best achieve planned outcomes in simulation setting.
4. Adapt and activate instruments in balanced, safe and atraumatic manner.
5. Provide evidence-informed rationales for the selection and adaptation of instruments.
6. Evaluate balanced positioning and instrumentation approaches of peers.

### Session 3: Assessments— Review

*Upon completion of this session you need to be able to:*

1. Practice as a professional in a clinical setting with guidance.
2. Identify personal limitations regarding clinical assessments (including but not limited to (including but not limited to health history and dental history, client concerns, vital signs, and head and neck, intra-oral exam, dental, occlusal, periodontal exams, and self-care findings).
3. Record significant findings using simulation records using terminology that meets medicolegal and ethical best practice standards.
4. Role play communication approaches for sharing assessment data with the client.

### Session 4: Instrument Sharpening — Review

*Upon completion of this session you need to be able to:*

1. Practice as a professional in a clinical setting with guidance.
2. Assess instruments for original design characteristics and sharpness.
3. Compare and contrast methods for sharpening instruments.
4. Sharpen instruments if indicated.
5. Make recommendations about tip or instrument replacement.
6. Provide evidence-informed rationale for decisions made and actions taken.

### Session 5, 6, 8 & 9 & 10, 12, 13, 14: Client Clinic

1. Practice as a professional in a clinical setting with guidance.
2. Provide basic dental hygiene services for clients with guidance.
3. Participate as an active team member to support client care.
4. Document services in medicolegal and ethical manner based on Camosun protocols.
5. Self-assess dental hygiene services provided.
6. Provide feedback to peers about their dental hygiene services.

### **Session 11: Ultrasonic instrumentation:**

*Upon completion of this session you need to be able to:*

1. Practice as a professional in a clinical setting with guidance.
2. Prepare ultrasonic unit for client care.
3. Assess student assessment data for precautions and contraindications for the use of ultrasonic instruments.
4. Simulate basic adaptation of ultrasonic instrument working with student partners in a simulation setting.
5. Manage client comfort during ultrasonic instrumentation.
6. Evaluate adaptation strategies to promote client safety and operator balanced positioning.
7. Document intervention in medicolegal and ethical manner based on Camosun protocols.
8. Provide evidence based rationales for positions taken.
9. Practice as a professional during simulation exercise.

### **Session 15: Stain removal using a slow speed hand piece**

*Upon completion of this session you need to be able to:*

1. Practice as a professional in a clinical setting with guidance.
2. Analyze client data to support stain removal with a slow speed handpiece.
3. Provide client with evidence based information about the use of abrasives to remove stain.
4. Gain informed consent in simulation as applicable.
5. Prepare armamentarium for procedure.
6. Adapt handpiece and attachment to provide atraumatic and safe care.
7. Evaluate outcomes of stain removal.
8. Document intervention in medicolegal and ethical manner based on Camosun protocols.
9. Provide evidence based rationale for actions taken during simulation exercise.

### **Session 16, 17 & 18: Client Clinic**

1. Practice as a professional in a clinical setting with guidance.
2. Provide basic dental hygiene services for clients with guidance.
3. Participate as an active team member to support client care.
4. Document services in medicolegal and ethical manner based on Camosun protocols.
5. Self-assess dental hygiene services provided.
6. Provide feedback to peers about their dental hygiene services.

### **Session 19: Dentinal Hypersensitivity and Pulp vitality**

*Upon completion of this session you need to be able to:*

1. Practice as a professional in a clinical setting with guidance.
2. Postulate possible rationales for sensitive teeth in relationship to client data.
3. Assemble armamentarium for desensitizing intervention.
4. Prepare intra oral sit for desensitizing product.
5. Apply agent based on manufacturer's protocols.
6. Evaluate effectiveness of procedure.
7. Explain how the outcome would be evaluated in a client context.

8. Document intervention in medicolegal and ethical manner based on Camosun protocols.
9. Provide evidence based rationale for actions taken during simulation exercise.

**Session 20, 21, 22: Client clinic**

**Session 23: Fluoride application: tray and fluoride varnish**

1. Practice as a professional in a clinical setting with guidance.
2. Postulate possible rationales for fluoride therapy in relationship to client data.
3. Assemble armamentarium for fluoride intervention.
4. Prepare intra oral sit for fluoride application.
5. Apply fluoride based on manufacturer's protocols.
6. Evaluate effectiveness of procedure.
7. Explain how the outcome would be evaluated in a client context.
8. Document intervention in medicolegal and ethical manner based on Camosun protocols.
9. Provide evidence based rationale for actions taken during simulation exercise.

**Session 24: Client clinic**

**Session 25/ 26: Radiography begins**

*Upon completion of this session you need to be able to:*

1. Apply concepts related to safety code 30 (dental radiographic safety requirements).
2. Discuss the use of dental radiographs during the planning and implementation phases of dental hygiene care.
3. Identify the number and types of radiographs needed for individual clients and documentation required.
4. Describe contraindications for radiographic exposure of clients.
5. Apply procedures for obtaining radiographs using the appropriate techniques while ensuring to follow infection control guidelines.
6. Problem-solve difficulties with dental radiographs, including placement of intraoral radiographs.
7. Record exposures to meet medicolegal requirements.
8. Recall knowledge of processing, mounting and interpretation – see course objectives from DHYG 131.
9. Apply processing protocols and dark room quality assurance procedures.
10. Discuss characteristics of radiographs that make them diagnostically acceptable and unacceptable.
11. Problem-solve difficulties in processing, sorting and mounting radiographs.
12. Identify artifacts and normal anatomic landmarks on exposed radiographs.

**Session 27, 28 (Reading Break):**

**Session 29, 30, 33, 34, 37, 38, 41, 42, 45, 46, 53, 54, 57, 58: Radiography or client**

**Session 31: Dispensary and reception orientation**

**Session 32, 33, 34: Client**

**Session 35, 36: Pacific Dental Conference**

**Session 39: TBA**

**Session 40: Client Clinic**

**Session 43: MADH visit from Japan**

**Session 44: Client Clinic**

**Session 47 & 51: Pit and Fissure Sealants**

*Upon completion of this session you need to be able to:*

1. Practice as a professional in a clinical setting with guidance.
2. Postulate possible rationales for sealant application in relationship to client data.
3. Assemble armamentarium for placement of sealants.
4. Discuss research findings regarding sealant retention and caries reduction
5. Describe sealant materials and kits
6. Explain the steps of sealant application, following the manufacturer's directions
7. Explain information to discuss with the client and parent/guardian regarding sealants including the need for follow up visits
8. Document intervention in a medicolegal and ethical manner based on Camosun College protocols

**Session 48 & 49 No clinic due to Easter holidays:**

**Session 50: Client Clinic**

**Session 52, 53, 54, 56, 57, 58, 60, 61, 62, 64: Client Clinic**

**Session 55: Client Clinics**

**Session 59: Client Clinics**

**Session 63: Client Clinics**

**7. Basis of Student Assessment (Weighting)**

- (a) Successful completion of the formative and summative clinical evaluations is required for DHYG 181. These requirements will be given on a separate form.
- (b) Successful completion of exan assignment.

**8. Grading System**

- Standard Grading System (GPA)
- Competency Based Grading System

### Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

### Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at <http://www.camosun.bc.ca/policies/E-1.5.pdf> for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

### 9. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

#### LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Student Services or the College web site at <http://www.camosun.bc.ca>

## **STUDENT CONDUCT POLICY**

There is a Student Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.

<http://www.camosun.bc.ca/policies/E-2.5.pdf>