



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

**DHYG 171**  
**Clinical Practice 1**  
**Semester 1 – Fall 2012**

**COURSE OUTLINE**

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The Approved Course Description  
is available on the web @

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

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

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**1. Instructor Information**

(a) Instructor	Bonnie Blank
(b) Office hours	Posted on door
(c) Location	Dental Building Rm 002
(d) Phone	250-370-3192 <b>Alternative:</b> 250-477-2662
(e) E-mail	blankb@camosun.bc.ca
(f) Website	D2L is not used for postings

**2. Course Content and Schedule**

- a. This course introduces students to the theory and principles of dental hygiene practice including assessment, diagnosis, planning, implementation, and evaluation. Best practices in health and safety as they relate to the clinical environment are discussed.
- b.
  - i. Pre-requisites: N/A
  - ii. Co-requisites: see below
  - iii. Pre-Co-requisites: Bio 160, DHYG 110, DHYG 120, DHYG 145, DHYG 170
- c. Course Particulars:
  - i. Credits: 4
  - ii. Components: Clinic hours 9
  - iii. Is the course available by distance education? No
  - iv. Is prior learning available for this course? No

**Note:** A weekly schedule of classes will be distributed as a separate document. Students are expected to be prepared for class by reading text chapters and completing related manual notes for each class as necessary.

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**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, 2<sup>nd</sup> edition  
 Additional handouts/articles may be given throughout the Term

(b) Other

Kilgore Model  
 Camosun College 2012 Instrument Kit  
 Camosun College Dental Hygiene Clinic Manual, 2012 Edition  
 DHYG 170 Course manual will be available through the Camosun College Bookstore.

*Each week will build on foundational knowledge acquired in the previous weeks so continue to review readings as you move through semester.*

**4. Intended Learning Outcomes**

<b>Learning Outcomes for DHYG 170 Clinical Theory 1</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. Identify and describe professional dental hygiene practices, guidelines and standards as they relate to the clinical setting and practice. (A)</li> <li>2. Identify and apply effective communication skills in all aspects of the learning environment (B)</li> <li>3. Recognize and describe behaviours and processes that contribute to the delivery of safe, effective and efficient dental hygiene services in the clinical environment. (C,F,E)</li> <li>4. Describe the fundamental concepts needed to perform dental hygiene assessment, care planning and evaluation processes in the clinical setting. (F)</li> <li>5. Determine the elements necessary to apply the fundamental instrumentation and self-care skills required in clinical practice (F)</li> </ol>	<ol style="list-style-type: none"> <li>A. Function as a professional dental hygienist.</li> <li>B. Communicate and collaborate effectively with individuals, family, community and interdisciplinary teams.</li> <li>C. Demonstrate critical thinking and use evidence based decision-making to provide optimal dental hygiene services to individuals, families and community.</li> <li>D. Advocate to improve oral health and access to oral health services for individuals, families and community.</li> <li>E. Coordinate and contribute to the effective management of the practice environment to ensure quality care and services.</li> <li>F. Function as a competent clinician using the dental hygiene process of care.</li> <li>G. Educate individuals, families and community about oral health including its relationship to general health.</li> <li>H. Apply health promotion principles to improve the health of individuals, families and community.</li> </ol>

**5. Course Elements and session numbers:**

**DHYG 171 Session Outcomes:**

**Session 1&2: Introduction to course and instrument acquisition:**

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

1. Explore the importance of critical thinking and problem-solving process in providing optimal dental hygiene care.
2. Explain the importance of establishing specific and realistic goals for each clinical setting.
3. Identify obvious problems that are blocking goal achievement, with guidance.
4. Plan basic strategies, considering some alternative solutions and their consequences, with guidance.
5. Identify limits of own learning.
6. Acquire instruments and prepare for clinical use.

**Session 3: Infection Control and Accident and Injury Prevention**

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

1. Apply infection control in the clinical setting including standard precautions during opening and closing procedures of a dental unit.
2. Apply information about hazardous materials including precautions for handling, using Workplace Hazardous Materials information sheets (WHMIS)
3. Report accidents and injuries when required.
4. Handle instruments, equipment and hazardous materials in a safe manner.
5. Apply methods for controlling infection in a dental practice setting.

**Session 4: Ergonomics**

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

1. Apply principles of balanced positioning and zones of activity for dental hygiene care.
2. Demonstrate principles of optimal physical comfort for the client and practitioner.
3. Utilize the steps in achieving balanced positioning.
4. Self assess for risk factors and patterns for possible musculoskeletal symptoms (MSS).

**Session 5: Identification of intraoral landmarks**

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

1. Identify intraoral landmarks based on information from references.
2. Explain the relevance of intra-oral landmarks for dental hygiene care.

**Session 6: Instrumentation – Basic Instrumentation Identification**

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

1. Explore general characteristics of dental hygiene instruments.
2. Differentiate between different types of instruments according to design and classification.
3. Recognize the design features of instrument handles and shanks and relate to the instruments use.

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#### **Session 7, 8, 9, 10, 11: Instrumentation technique – Probe and Explorer**

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

1. Apply principles of modified pen grasp, fulcrums and finger rests on manikin and peer with mirror, probe and explorer.
2. Apply basic principle of instrument insertion and activation utilizing a walking stroke and exploratory stroke.
3. Explore topography of various tooth surfaces and begin to identify various findings on peer.

#### **Session 12, 13, 14, 15: Instrumentation – Introduction to Anterior and Posterior Sickles and Area Specific Curettes**

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

1. Apply principles of modified pen grasp, fulcrums and finger rests, on manikin with mirror, anterior and posterior sickle and area specific curettes.
2. Adapt principles of insertion, adaptation, angulation and activation of anterior and posterior sickles and area specific curettes
3. Apply principles of a systematic, efficient, sequence when following basic instrumentation principles.

#### **Session 13, 21: Emergency stations**

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

1. Identify location of emergency equipment and clinical protocols for emergency situations.
2. Explain emergency protocols for Camosun College Clinic, (PERT) and use of equipment.

#### **Session 9, 16, 17, 18, 19: Health History, Dental History and Vital Signs**

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

1. Compare and contrast questionnaire and interview methods for obtaining health history information including limitations.
2. Explain conditions that require a “medical alert” to be placed.
3. Analyze how to approach achieving an accurate health history and dental history according to medicolegal requirements.
4. Explain the rationale for obtaining vital signs for dental hygiene care.
5. Document findings according to Camosun College protocols

#### **Session 21, 22: Emergency Prevention and Management**

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

1. Explain communication approaches to elicit client information in an efficient and caring manner.
2. Apply strategies to elicit comprehensive health information in simulation experiences.
3. Relate health history information to the prevention of medical emergencies.
4. Explain the protocols of the Camosun College’s Dental Clinic for obtaining trained emergency care personnel (PERT)
5. Identify the location of clinical emergency equipment in the clinical setting.

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**Session 23, 24, 25,26,27: Assessments—General Head and Neck Assessment (EO) and Intra-oral soft tissue examination**

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

1. Apply knowledge of the structures and function of the head and neck in simulation exercises.
2. Use a systematic method of assessing the head and neck and intraoral area.
3. Record significant deviations from normal using terminology that meet medico legal requirements.
4. Examine communication approaches for sharing assessment data with the client.

**Session 28: Assessment –Dental and Occlusal examinations**

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

1. Apply a systematic sequence for assessing the dentition.
2. Observe the benefits of assessing the dentition utilizing a systematic sequence.
3. Apply accurate documentation principles in recording dental findings in simulation.
4. Identify characteristics of occlusions.
5. Utilize systematic method for determining the classification of occlusion.
6. Record Angles classification of occlusion.
7. Observe the impact of occlusal trauma including subjective and objective signs and symptoms.

**Session 29: Implementation – Angulation and activation for deposit removal**

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

1. Apply principles of angulation and a working stroke that would be utilized during debridement.
2. Observe the limitations and strengths of curets and scalers in supporting periodontal debridement.
3. Apply principles of a systematic, efficient, sequence for periodontal debridement, following basic instrumentation principles in simulation.
4. Explore approaches to documentation of debridement procedures.

**Session 31, 32, 33, 34: Periodontal assessment: (Risk assessment and Gingival, MFR and CAL)**

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

1. Utilize probing skills to assess the periodontium.
2. Recognize clinical manifestations associated with inflammation.
3. Collect complete information about the periodontium based on Camosun protocols.
4. Apply accurate documentation principles in recording periodontal findings
5. Utilize a systematic sequence for assessing the periodontium.
6. Utilize the AAP guidelines to support the periodontal diagnostic statement.

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#### **Session 35: Deposit Assessment:**

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

1. Differentiate between different soft deposits.
2. Assess and describe the location and quality of dental plaque biofilm and calculus
3. Assess presence of contributing factors to the presence of deposits.
4. Apply accurate documentation principles in recording findings.
5. Explain how the assessment of soft and hard deposits informs client education.
6. Describe the effectiveness of plaque and calculus inhibitors according to research
7. Assess the presence of stain and the significance to client.

#### **Session 36, 37: Self care: Health promotion/disease prevention and aids:**

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

1. Explain how the oral hygiene assessment is used during client education, monitoring, and motivation.
2. Utilize self care techniques to promote general and oral health.
3. Reflect on the role and limitations of the dental hygienist while promoting oral health for a client.
4. Recognize the appropriate circumstances for recommending various dentifrice, floss, toothbrushes and other self care aids that are compliant with the ADA Seal of Acceptance Program.
5. Modify client self care techniques when needed in simulation.
6. Document and describe plaque biofilm accumulation according to amount and location.
7. Record self care teaching and learning information in the client's record.

#### **Session 38, 39, 41, 42, 43, 44: ADPIE application on a student partner:**

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

1. Follow the process of care in simulation according to Camosun College procedures and protocols.

#### **Session 45, 46, 47, 48: Concepts for instrument sharpening**

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

1. Assess instruments to determine if sharpening is required.
2. Utilize armamentaria to support sharp instruments.
3. Use the moving stone technique for sharpening instruments.
4. Evaluate the outcome of the sharpening approach.

#### **Session 49: Dental Hygiene diagnosis:**

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

1. Explain the dental hygiene diagnostic process.
2. Focus the dental hygiene diagnosis on client conditions, behaviours, or risk factors related to oral health and disease.
3. Write dental hygiene diagnostic statements in simulation.

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#### **Session 50, 51: Dental Hygiene care planning:**

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

1. Identify interventions that support various dental hygiene diagnosis.
2. Explain the purpose of the planning phase in the dental hygiene process of care
3. Discuss with the client their role in care plan development.
4. Relate problem-oriented approaches to planning for goal achievement.
5. Apply legal and professional responsibilities related to planning during the dental hygiene care development.
6. Utilize Camosun College forms when developing the care plan.
7. Explain how treatment priorities are determined in simulation.
8. Discuss fees and estimate cost of proposed treatment based on Camosun College fee guide.
9. Acquire informed consent as it relates to dental hygiene health care planning

#### **Session 53: Evaluation of care:**

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

1. Explain the purpose of the evaluation phase of client care and its significance to the process of care and practitioner liability.
2. Measure outcomes and determine if goals have been met or not met.
3. Evaluate factors influencing client goal achievement and utilize to determine possible future interventions.
4. Apply Camosun College protocol for clients' evaluation phase.

#### **Session 52: Introduction to Exan computer system in the reception area:**

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

1. Explain processes for managing the clinical records to ensure optimal delivery of dental hygiene care.
2. Apply Exan Power Practice Software billing procedures to maintain accurate electronic records.
3. Print and identify claim ledger and client routing slips for chart audit purposes.
4. Generate receipt and statement for client's record keeping.

## **6. Basis of Student Assessment (Weighting)**

- (a) Assignments: Formative and summative evaluation requirements.
- (b) Other: Expectations of students in the learning environment will be handed out separately. The clinic manual and the student handbook outline details of clinical protocols.
- (c) Successful completion of the formative and summative clinical evaluations. The criteria and list of these evaluations will be handed out separately.

## **7. Grading System**

**Note a C grade is required to pass this course**

Standard Grading System (GPA)

**x** Competency Based Grading System

**A. GRADING SYSTEMS** <http://camosun.ca/learn/calendar/current/pdf/academic-policies.pdf>

**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.

**B. 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://camosun.ca/learn/calendar/current/pdf/academic-policies.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.

**8. 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>  
Also, refer to the resources for learning section of the DHYG student handbook.

**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://camosun.ca/learn/calendar/current/pdf/academic-policies.pdf>