



## DHYG 262 Spring 2013 COURSE OUTLINE

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The Approved Course Description is available on the web @ [http://www.camosun.bc.ca/hhs/dental\\_hygiene/index.php](http://www.camosun.bc.ca/hhs/dental_hygiene/index.php)

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### 1. Instructor Information

(a) Instructor	Elizabeth Morch and Bev Jackson		
(b) Office hours	As posted		
(c) Location	D002		
(d) Phone	250.370.3215/ 250 370 3507	Alternative:	250.812.8893
(e) E-mail	<a href="mailto:morch@camosun.bc.ca">morch@camosun.bc.ca</a>		
(f) Website			

### 2. Intended Learning Outcomes

On completion of this course the student will be able to:

1. Demonstrates professional behavior.
2. Uses clear and accurate written, oral and visual communication with peers, client's staff and faculty.
3. Demonstrates responsibility and accountability for own actions.
4. Work effectively as a member of the dental team to provide oral health care.
5. Prepare environment ensuring safe and efficient delivery of care.
6. Perform assessments that ensure optimal delivery of dental hygiene therapy.
7. Develop dental hygiene diagnosis and care plan which contributes to optimal oral health
8. Implement the dental hygiene process of care that contributes to the client's oral and general health.
9. Demonstrate critical-thinking skills and apply the problem-solving process in the provision of dental hygiene care.
10. Apply basic knowledge, values and skills related to self-evaluation to the practice of dental hygiene.
11. Evaluate the dental hygiene process of care to ensure safety, comfort, and understanding.
12. Manage clinical environment to ensure optimal delivery of care.
13. Integrate basic behavioral, biological, dental sciences and professional courses with clinical knowledge, skills, and values into the practice of dental hygiene.

### 3. Required Materials

a) Texts Required:

Dental Hygiene Theory and Practice 3<sup>rd</sup> Edition, Darby, M.L., Walsh, M.M. Saunders 2010

Principles of Dental Imaging 3<sup>rd</sup> edition, Langland, Olaf E., Langlais, Robert P. Williams & Wilkins 2006

Handbook of Local Anesthesia 5<sup>th</sup> edition, Malamed, S.F., St. Louis: C.V. Mosby, 2004

Clinic Manual, Camosun College Dental Hygiene Program 2012/13

Clinic Periodontology, 11<sup>th</sup> Ed., Carranza & Newman, W.B. Saunders, 2010

(b) Other Required Materials: Uniforms and instruments as outlined in the Dental Hygiene Clinic Manual 2012/13

### 4. Course Content and Schedule

Class hours:	5 hours
Lab Hours:	15 hours
Out of Class:	4 hours
Exams:	none
Assignments:	see separate schedule

### Performance Indicators

#### Learning Outcome #1 Demonstrate professional behavior

- Consistently demonstrates knowledge, skills and attitudes learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Consistently provides professional dental hygiene care

#### Learning Outcome #2 Uses clear and accurate written, oral and visual communication with peers, client's, staff and faculty

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level
- Consistently and competently demonstrates ability to record dental hygiene services and report these findings in written form to allied professionals.

### **Learning Outcome #3 Demonstrates responsibility and accountability for own actions**

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level

### **Learning Outcome #4 Works effectively as a member of the dental team to provide oral health care**

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260, 261 at a competent (entry to practice) level
- Consistently works effectively with peers during dispensary and reception rotations

### **Learning Outcome #5 Prepares environment ensuring safe and efficient delivery of care**

#### Accident/Injury Prevention

- Consistently demonstrates knowledge, skills and attitudes learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level

#### Infection Control

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Consistently performs client care without breaks in aseptic chain during all clinical and laboratory sessions

#### Operation and Maintenance of Equipment

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Consistently problem-solves inadequately maintained clinical or laboratory equipment
- Operates and maintain any equipment or instruments introduced this semester following manufacturer's direction

#### Positioning and Comfort

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Consistently practices ergonomically assuring client comfort and operator safety and prevention of injury

#### Armamentarium Assembly

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Consistently assembles armamentarium efficiently and appropriately for all procedures

#### Instrument Sharpening

- Consistently demonstrate knowledge, skills and attitude learned in DHYG 160,161,162, 260,261 at a competent (entry to practice) level
- Maintain sharp instruments during clinical sessions
- Consistently assess instruments for recontouring and replace as needed

### Client Preparation

- Consistently establishes specific and realistic goals for each clinical session
- Anticipates potential difficulties when providing dental care especially for the elderly and physically compromised individuals
- Consistently meets goals established for each clinical session

### Efficient delivery of care

- Consistently delivers efficient client care
- Completes dental hygiene care within guidelines

## **Learning Outcome #6 Perform assessments that ensures optimal delivery of care**

**In addition to specific performance indicators for each assessment, the student must successfully demonstrate the following performance indicators during all assessment procedures.**

- Verbalize an understanding of the rationale for each assessment
- Internalize and consistently demonstrate an efficient sequence and technique to ensure an accurate and thorough assessment
- Consistently follow principles of infection control
- Identify associated structures and anatomical landmarks
- Use appropriate resources to facilitate maximum efficiency and accuracy
- Document findings accurately, legibly and logically
- Complete all assessments (and have them checked) in a maximum of two appointments

### Health History

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level
- Problem solve difficulties completing a health history with a client including client acceptance of disclosing personal information

### Vital Signs

- Consistently demonstrates knowledge, skills and attitude learned in DH 160,161,162,260, 261 at a competent (entry to practice) level

### General Appearance/Head and Neck Assessment

- Demonstrate knowledge, skills and attitudes learned in DH 160,161,162,260,261 at a competent (entry to practice) level

### Intra-Oral Soft Tissue Assessment

- Consistently demonstrates knowledge, skills and attitude learned in DH 160,161,162,260,261 at a competent (entry to practice) level

### Periodontal Assessment

- Consistently demonstrates knowledge, skills and attitude learned in DH 160,161,162,260, 261 at a competent (entry to practice) level
- Discusses the interrelationship of periodontal assessment findings with data collected during the dental assessment and during radiographic interpretation

### Dental Assessment

- Consistently demonstrates knowledge, skills and attitude learned in DH 160,161,162,260,261 at a competent (entry to practice) level
- Consistently identifies dental conditions during radiographic interpretation and documents information on the dental chart.

### Occlusal Assessment

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level

### Dental Radiographs

- Consistently demonstrates and applies knowledge about radiographic theory, technique and interpretation from DHYG 260,261 at a competent (entry to practice) level
- Consistently follows radiation protection guidelines
- Collaborates with the dentist and identifies when radiographs are required for caries detection or periodontal assessment

### Impressions

- Demonstrates technique for acquiring a satisfactory impression of the maxillary and mandibular arches if required

### Study Models

- Demonstrates the fabrication of casts effectively and efficiently following laboratory guidelines if required

### Suture Removal

- Effectively removes sutures and documents appropriately if required

### Periodontal Dressing

- Discusses and demonstrates procedures and post operative instructions for periodontal placement and removal if required

### Temporary Restorations

- Places competent temporary restoration if required

### Dental Imaging

- Demonstrates adequate techniques and produces dental photographs as needed, using proper infection control procedures

### Diagnostic Testing

- Performs a variety of tests used to determine the health of the pulp (ice, percussion, heat, electric vitality testing) if required

**Learning outcome #7: Develop dental hygiene diagnosis and formulate care plan, which contributes to optimal oral and general health**

Dental Hygiene Health Care Planning

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Identifies the need for referrals when necessary
- Plans dental hygiene care to improve all client's oral health as well as meets the client's expressed wants, needs and expectations
- Consistently sets realistic time frames for all procedures
- Follows the plan during dental hygiene health care, evaluates (re-assess) it and modifies if required
- Discusses impact on dental insurance on care planning
- Discusses care planning in private practice

**Learning Outcome #8: Implement the dental hygiene process of care that contributes to the client's oral and general health**

*In addition to the performance indicators included in each subject heading, the student must also be able to successfully demonstrate the following performance indicators that are consistent in all the procedures*

- Verbalizes an understanding of the rationale for each procedure
- Internalizes and demonstrates an efficient sequence and technique to ensure an accurate and thorough implementation of clinical procedures.
- Follows principles of infection control
- Identifies associated structures and anatomical landmarks to ensure proper implementation of clinical procedures
- Uses appropriate resources to facilitate maximum efficiency and accuracy
- Documents findings and all associated data accurately, legibly, and logically
- Problem-solves difficulties encountered during the implementation phase, and modifies as needed
- Adapts delivery of care when modifications are required for clients with compromised mobility and other special needs

Self-care

- Consistently demonstrates knowledge, skills and attitudes learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Based on assessment findings, develops and implements a comprehensive individualized self care plan

Debridement

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Consistently problem solve difficulties with debridement including client acceptance, instrument selection and use, and pain control
- Consistently demonstrates ability to assess end point of debridement based on tissue response if applicable
- Consistently utilizes pain management during debridement
- Consistently demonstrates safe and effective instrumentation with no soft tissue trauma, following sound principles of instrumentation

- Implements strategies to maximize the efficiency of debridement strokes
- Recontours and marginates restorations as needed ensuring original morphology/contour of tooth is reproduced or maintained and that the restoration is now cleansable

#### Polishing

- Consistently demonstrate knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level

#### Fluorides

- Consistently demonstrates knowledge, skills and attitude learned in DHYG160, 161,162,260, 261

#### Emergency Care

- Demonstrates knowledge, skills and attitudes learned in DH 160,161,162, 260,261 at a competent (entry to practice) level
- Anticipates and avoids emergencies

#### Pain Management

- Consistently demonstrates knowledge, skills and attitude learned in DH 160,161,162,260, 261 at a competent (entry to practice) level
- Consistently and competently deliver local anesthesia to clients

#### Prevention and Emergency Management of Dental Trauma

- Consistently demonstrates knowledge of the prevention of dental trauma and integrates necessary procedures into the delivery of dental hygiene care as required

#### Subgingival and Home Irrigation

- Demonstrates knowledge, skills and attitude learned in DH 160,161,162,260, 261 at a competent (entry to practice) level

#### Sealants

- Consistently demonstrates competent placement of dental sealants

#### **Learning Outcome #9: Demonstrate critical thinking skills and apply the problem-solving process in the provision of dental hygiene care.**

- Consistently demonstrates knowledge, skills and attitudes learned in DHYG 160,161,162,260, 261 at a competent (entry to practice) level
- Discusses problem solving ethical dilemmas that occur in private practice settings

#### **Learning Outcome #10: Apply basic knowledge, values, skills related to self-evaluation to the practice of dental hygiene**

- Consistently demonstrates and improves the knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level
- Discusses the importance of self evaluation to the practicing dental hygienist

## **Learning outcomes # 11: Evaluate the dental hygiene process of care to ensure safety, comfort and understanding**

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260, 261 at a competent (entry to practice) level
- Discusses expected outcomes for dental hygiene interventions planned for each client
- Discusses the meaning of “supervised neglect” and its impact on dental hygiene care in private practice settings
- Consistently demonstrates ability to establish short term and long term goals for improving client knowledge and oral health
- Consistently recommends a continuing care interval to the client rationalizing the time span
- Consistently compares original and re-assessment data, analyzing client's current oral health needs
- Consistently evaluates the expected outcomes against actual outcomes to determine the success of dental hygiene care
- Provides information that should be explained to the client regarding a recommended referral
- Consistently demonstrates ability to recognize need for referral and follows appropriate referral procedures
- Consistently records specific areas that must be monitored by the hygienist at the next continuing care appointment

## **Learning outcome #12: Manage clinical environment to ensure optimal delivery of care**

### Dental Records

- Consistently demonstrate knowledge, skills and attitude learned in DHYG 160,161,162,260,261 at a competent (entry to practice) level
- Consistently records critical data in dental records
- Maintains confidentiality of all client records including images
- Utilizes the Exan computer system to maintain client records
- Discusses record keeping in private practice settings

### Inventory Control

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162,260, 261 at a competent (entry to practice) level
- Replaces supplies as needed
- Discusses inventory control in private practice settings

### Appointment Scheduling

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162, 260,261 at a competent (entry to practice) level
- Consistently problem solves difficulties with booking dental hygiene appointments or managing broken appointments
- Discusses appointment scheduling for private practice settings

### Accounts Receivable

- Consistently demonstrate knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level
- Collects all fees from clients
- Utilizes strategies to collect overdue accounts
- Discusses dental insurance



### Continuing Care Systems

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level
- Consistently sets appropriate continuing care intervals for clients
- Utilizes the Exan computer system to track continuing care intervals
- Discusses continuing care systems used in private practice settings

### Time Management Organization

- Consistently demonstrates knowledge, skills and attitude in all aspects of care delivery in order to complete tasks in a time efficient manner
- Consistently demonstrates the ability to provide dental hygiene care in an organized, efficient and time effective manner.
- Consistently completes documentation in accordance to Camosun College protocols ( chart audits, tracking paperwork)

### **Learning Outcome #13: Integrate basic behavioral, biological, dental sciences and professional courses with clinical, knowledge, skills and values, with guidance, into the practice of dental hygiene**

- Consistently demonstrates knowledge, skills and attitude learned in DHYG 160,161,162, 260, 261 at a competent (entry to practice) level
- Identifies behavioral, biological, dental and professional rationale for dental hygiene procedures
- Relates basic theoretical knowledge to the application and the provision of dental hygiene care

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

### Clinical:

Student's clinical practice will be assessed in each clinical session. Evaluating students in an authentic environment presents challenges in that each client is different and therefore no two experiences are identical. However, the benefits of authentic evaluation i.e. learning in a "real work environment" far outweighs the challenges by providing students with a range of experiences similar to the variety of clients a hygienist would see in a clinical setting.

Students will receive feedback on their performance in each clinical session. It is expected that students will apply feedback to improving their performance. Repeated feedback concerning difficulties in student performance indicates that the student is not maintaining satisfactory clinical skills. **Students must display effective use of all clinical sessions**

All outcomes must be met satisfactorily to complete the course.

### *In addition the student must:*

1. Competently complete a minimum of 15 radiographs with a variety of different exposures
2. Complete 20 local anesthetic injections. Note: a minimum of 10 injections must be completely at a competent level with no guidance. If student performance is inconsistent, the student may be required to complete additional injections to demonstrate competence.
3. Competently provide individualized care on all clients assigned.
4. Complete the documentation for all clients (including letters to the dentist) before requirements are considered complete.

## Tests and Assignments:

### Assignments:

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|--|------|
| 1. Externship report   | 15%  |
| 2. Final project and presentation  | 60%  |
| 3. Career manual   | 15 % |
| 4. Professional management of paperwork<br>Participation, attendance in clinic | 10%  |

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

Students would benefit from observations in dental and dental hygiene practices, viewing dental educational videos and reading educational journals in the Learning Center, and being open to support from the any of the student services on campus. (e.g. CC Society, Recreational Support, Counseling support, etc.)

## 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>

## A. GRADING SYSTEMS <http://www.camosun.bc.ca/policies/policies.php>

The following two grading systems are used at Camosun College:

### 1. Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-	<b>Passing Grade</b>	4
65-69	C+		3
60-64	C		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

### 2. 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://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.