



CAMOSUN COLLEGE
School of Health & Human Services
Dental Programs

DHYG 371
Clinical Practice 3
Semester 1– Fall 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

(a) Instructor	Liz Morch
(b) Office hours	Posted on door
(c) Location	Dental Building Room 004
(d) Phone	250-370-3215 Alternative: 250-812-8893
(e) E-mail	morch@camosun.ca
(f) Website	

2. Course Description

- a. This course builds on DHYG 281 with a focus on applying clinical theory to clinical practice for clients of a variety of ages and increased complexity. Students provide dental hygiene services in the onsite clinic assuming increasing responsibility.
- b.
 - i.) Pre-requisites: DHYG 221, DHYG 222, DHYG 231, DHYG 246, DHYG 280, DHYG 281, BIOL 260
 - ii.) Co-requisites: DHYG 370,
 - iii.) Pre/Co-requisites: DHYG 310, DHYG 321, DHYG 390
- c. Course Particulars:
 - i.) Credits: 5.0
 - ii.) Components: Class Hours: 17 hours
 - iii.) Course is not available by distance.
 - iv.) Prior learning is not available for this course.

3. Required Materials

Texts

Darby, M. & Walsh, M. (2010). Dental Hygiene Theory and Practice (3rd Ed.). St Louis Missouri: Saunders.

Malamed, S.F. (2013). Handbook of Local Anesthesia (6th Ed.). St. Louis: C.V. Mosby.

Clinic Manual. (2013-2014). Camosun College Dental Hygiene Program.

Newman, Takei, Klokkevold & Carranza. (2012). Clinical Periodontology (11th Ed.). St. Louis: W.B. Saunders.

Stegeman & Davis. (2005). The Dental Hygienist's Guide to Nutritional Care (2nd Ed.). St. Louis: WB Saunders.

Reference Materials

Gladwin & Bagby (2009). Clinical Aspects of Dental Materials Theory, Practice and Cases (3rd Ed.). Philadelphia: Lippincott Williams & Wilkins

Little, Falace, Miller and Rhodus. (2008) Dental Management of the Medically Compromised Patient (7th Ed.). St. Louis: Mosby and Evolve.

Articles TBA

Other: Kilgore teeth

4. Intended Learning Outcome

Learning Outcomes for DHYG 371 Clinical Theory 3	Program (Global) Outcomes (FYI)
<p>Upon successful completion of this course a student will be able to:</p> <ol style="list-style-type: none"> 1. Practice professionally in a clinical setting. 2. Apply evidence based practice, critical thinking and problem solving skills in working with clients and the dental team. 3. Demonstrate consistent and effective written, oral and expressive communication in dental hygiene practice. 4. Consistently demonstrate practices that ensure health, safety, and well being of self and others within the broader clinical setting. 5. Provide dental hygiene services for clients with increasingly complex oral and general health conditions, integrating biological and dental sciences. 6. Apply knowledge of health promotion principles to individual client care. 	<ol style="list-style-type: none"> A. Function as a professional dental hygienist. B. Communicate and collaborate effectively with individuals, family, community and interdisciplinary teams. C. Demonstrate critical thinking and use evidence based decision-making to provide optimal dental hygiene services to individuals, families and community. D. Advocate to improve oral health and access to oral health services for individuals, families and community. E. Coordinate and contribute to the effective management of the practice environment to ensure quality care and services. F. Function as a competent clinician using the dental hygiene process of care. G. Educate individuals, families and community about oral health including its relationship to general health. H. Apply health promotion principles to improve the health of individuals, families and community.

5. Course Elements and DHYG 371 Session Outcomes

During all clinical sessions when working on peers or clients students must:

1. Consistently demonstrate professional behaviour
2. Demonstrate consistent accountability and responsibility
3. Communicate effectively with team members, faculty and clinical support staff
4. Maintain infection control and safely operate equipment
5. Set learning centered goals for each session
6. Manage client ensuring client comfort
7. Self evaluate clinical performance
8. Record significant deviations from normal using terminology that meet medico legal and ethical requirements
9. Maintain confidentiality of client records.

Session 1: Introduction and Orientation to the Course

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

1. Review clinic manual protocols
2. Prepare the clinic for client care
3. Identify drugs and potential uses of emergency kit contents.
4. Demonstrate use of oxygen in case of need in a medical emergency
5. Demonstrate Camosun College emergency protocols for earthquake, client emergency care (PERT) and needle stick injuries

Session 2: Instrumentation Review 2, 5, 6, 7

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

1. Practice professionally, safely, ethically following Camosun College infection control and clinical protocols
2. Demonstrate the fundamentals of probing, exploring, indirect vision and instrumentation using a variety of instruments
3. Perform a mock screening on a peer
4. Acquire accurate vital signs on a peer
5. Demonstrate effective sharpening of instruments
6. Record significant deviations from normal using terminology that meet medico legal and ethical requirements.

Session 3, 4: Assessments Head and Neck, Oral, Deposit, Dental, Caries Detection, Gingival, Mobility, Furcation, Recession Review

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

1. Demonstrate sequences to perform assessments that are efficient and minimize the risk of errors
2. Explain terminology used in assessments
3. Explain protocols for completion Camosun College client forms
4. Explain strategies for accurate caries detection
5. Problem solve challenges during assessments
6. Record significant deviations from normal using terminology that meet medico legal and ethical requirements.

Session 5: Ultrasonic Instrumentation Review

1. Practice professionally, safely, ethically following Camosun College infection control and clinical protocols
2. Demonstrate ultrasonic preparation following infection control protocols
3. Demonstrate fundamentals of ultrasonic instrumentation with straight inserts
4. Demonstrate effective water control with high volume suction
5. Explain rationale for insert selection
6. Record significant deviations from normal using terminology that meet medico legal and ethical requirements.

Session 9: reception, dispensary, and assessment of lateral excursions

1. Demonstrate assessment of static and functional occlusion
2. Explain duties of student receptionist, clinic assistant and screening assistant

Session 10: Mass screening

Sessions 11,12,13 Clients (see overall clinical outcomes listed above and the following outcomes that pertain to all client clinics)

1. Practice ergonomically ensuring client comfort
2. Provide dental hygiene care safely considering client comfort
3. Organize and prepare the clinical environment for client care
4. Demonstrate proficiency with the Exan dental management system and reception protocols
5. Demonstrate team work and infection control required during clinical assistant and screening assistant rotations
6. Demonstrate critical thinking and problem solving during provision of the dental hygiene process of care
7. Integrate theory from professional, oral science and community courses into the dental hygiene process of care
8. Obtain informed consent from the client or the client's representative before initiating dental hygiene care
9. Demonstrate the dental hygiene process of care on light to moderate classifications of clients
10. Assess the need for, avoid when possible and implement emergency care if required

Assessment

1. Internalize and consistently demonstrate an efficient sequence and technique to ensure accurate and thorough assessment
2. Competently assess a client of a light to moderate classification (2.2) in a maximum of two appointments (list of assessments??)
3. Assess clients of variety of age groups including primary and school aged children

Radiograph and Imaging (Friday classes and during client sessions)

1. Successfully expose a full mouth series of radiographs with minimum of 12 films in one hour on a client following all protocols
2. Complete the following dental radiographs: periapical (bisecting angle technique), occlusal, localization exercise and distal oblique with assistance following infection control guidelines
3. Expose a pedodontic full mouth series on a manikin
4. Follow radiation protection guidelines
5. Assess the diagnostic acceptability of all films taken, problem-solving any deficiencies, with guidance
6. Use appropriate interpersonal skills to increase the client's physical and psychological comfort and help control gagging
7. Identify when radiographs are required for caries detection or periodontal assessment with assistance
8. Expose prescribed films for clients as needed
9. Process radiographic films manually and automatically, following infection control guidelines, with minimal guidance
10. Interpret radiographs, identifying normal anatomic landmarks, restored conditions of teeth, abnormal bone contour, calculus, artifacts and suspected pathologies
11. Describe the components and demonstrate infection control required for camera, retractors and mirror
12. Manage files using transfer and storage protocols

13. Take a set of images of views commonly used in case presentation (portrait, lateral head view, full anterior view, full occlusal views - maxilla and mandible, buccal and lingual views, and close-ups)

Diagnosis

1. Utilize relevant assessment data to create accurate dental hygiene diagnostic statements
2. Determine American Academy of Periodontology (AAP) periodontal classifications with minimal guidance

Planning

1. Plan dental hygiene care based on assessment data, diagnosis, prognosis, client values and expectations for clients of a variety of ages including children
2. Revise dental hygiene care when appropriate
3. Determine measurable goals for client care
4. Set realistic time frames for all procedures
5. Utilize principles of health promotion

Implementation

1. Provide accurate and appropriate self care
2. Demonstrate safe effective manual and ultrasonic instrumentation
3. Evaluate end point based on tactile detection and tissue response on clients of light to moderate classification (2.2)
4. Complete debridement summative evaluations
5. Provide all planned interventions
6. Utilize local anesthetic when appropriate

Evaluation

1. Evaluate the expected outcomes against actual outcomes to determine the success of dental hygiene care
2. Summarize care utilizing the SOAP format, including setting appropriate care intervals and any necessary referrals

Session 14: Sealants, Piezoelectric ultrasonic, margination

1. Demonstrate mock sealant placement on a peer
2. Compare piezoelectric ultrasonic (including set up) to magnetorestrictive units
3. Utilize a variety of discs, strips and instruments to marginate composites and amalgams on manikins

Session 19: Polishing, Use of Children's Form

1. Complete a mock child assessment and care planning using Camosun College Form
2. Demonstrate effective, safe polishing on a peer

Sessions 23, 28, 32: Administration of Local Anesthetic

1. Demonstrate safe and acceptable administration of intramuscular and intraoral maxillary and mandibular injections
2. Calculate dose administered and compare to safe doses

Session 24 : Complex Care planning

1. Apply principles of diagnosis and care planning to a mock complex diabetic client

Session 29: Impressions

1. Demonstrate satisfactory technique to mix and acquire an adequate impression for mouthguard and bleaching tray fabrication
2. Apply strategies to maximize client comfort
3. Demonstrate satisfactory technique to acquire a interocclusal wax bite
4. Apply appropriate infection control procedures while taking impressions and to prepare the impression for pouring

Session 33, 38: Pouring and Trimming Study Models, Vitality Testing

1. Utilize safety protocols in the laboratory setting
2. Demonstrate satisfactory mixing and pouring of dental stone into impression
3. Demonstrate satisfactory horseshoe trim of study model suitable for mouthguard and bleaching tray fabrication
4. Demonstrate the technique used to determine tooth vitality using a variety of vitality tests (endo ice, electric pulp test, percussion, bite)

Session 43: Mouthguard fabrication

1. Fabricate a mouthguard with assistance
2. Demonstrate safe lab techniques following infection control protocols

Session 48: Instrumentation with DHYG 271 students

Session 52: IRM Temporary Restorations, Instrument Transfer, Rubber Dam

1. Demonstrate satisfactory mixing, placement and finishing of IRM in a Class II cavity preparation on a manikin
2. Transfer instruments safely to a peer during IRM placement
3. Place a rubber dam on a manikin with assistance

Session 57: Client Clinic with DHYG 271 students (observation of client care)

Session 63: Bleaching Trays

1. Fabricate a custom bleaching tray
2. Demonstrate safe lab techniques following infection control protocols

Session 67: Clinic Maintenance with DHYG 271 students

6. Basis of Student Assessment (weighting)

The student must satisfactorily:

1. Meet all course learning outcomes
2. Complete selected clinical exercises – see handout
3. Satisfactorily complete all formative and summative evaluations – see handout

To help students better understand their level of performance on the various learning outcomes of the clinical component of the course, they will receive midterm and end of term evaluations. Students may be given either a M (Minimal), C (competent) or a D (distinguished). All of these grades are acceptable and are provided to assist students with identifying areas of focus in the next course. An M indicates that the student has minimally met the competency and should develop strategies to significantly improve performance to meet the expectation for the next level course. A "D" indicates that the student has consistently exceeded the expectation for this phase of the program. An N/C (not yet competent) in the clinical component indicates that the student has not met the criteria for this semester and will not be eligible to continue in the clinical courses.

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 (ie: learning in a "real work environment") far outweigh the challenges by providing students with a range of experiences similar to the variety of clients a hygienist would see in a clinical setting.

Instructors meet regularly to review student performance. Students are assigned clinical advisors. Advisors are available to assist students in understanding their clinical feedback.

7. Grading System

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

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

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-	<i>Minimal passing grade for DHYG 260</i>	4
69-0	F		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://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. Additional information regarding the dental hygiene program is in the student handbook
<http://camosun.ca/learn/calendar/current/pdf/academic-policies.pdf>

GENERAL INFORMATION FOR DHYG 371:

Clinic Department

Complete clinic attire is required any time students are in the clinic. Refer to the Dental Hygiene Student Handbook and clinic manual for details.

Student Rotations for Clinic

The class is divided into teams 1, 2, and 3. Units will be assigned to each student. Students are required to utilize assigned units whenever possible. Clinic assistants will be assigned to most clinics. Reception duties are also assigned. Students may exchange scheduled dates with peers but are required to record all changes on the master list in the dispensary.

Daily Preparation for Class and Clinic

As an adult learner, it is the student's responsibility to participate in the learning process and to be prepared to ask or answer questions and participate in discussions. In order to do this, it is expected that the student will have read any assigned readings. Understanding the readings is also essential for knowledgeable practice of each procedure in the clinic as well as to achieve competence in clinical procedures. Knowledge from the readings is also required for active participation in Integration Seminars. When guest speakers are invited to present to the class, it is expected that students attend.

Instruments

Instruments must remain in good working condition. Instructors will assist in evaluating your instruments and may require immediate instrument replacement. Unsafe instruments must be immediately removed from student kits.