



CAMOSUN COLLEGE
School of Health & Human Services
Dental Programs

DHYG 271
Clinical Practice 1
Semester 1 – Fall 2013

COURSE OUTLINE

The Approved Course Description is available on the web @

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

2. Course Description

- a. This course introduces students to foundational dental hygiene practices, skills, and procedures in a supervised clinical setting. Content from DEHYG 270 Clinical Theory 1 is integrated and applied to peers and mannequins in the clinical setting. Underlying principles of professional and ethical dental hygiene practice provide the framework for this course.
- b.
 - i. Pre-requisites: n/a
 - ii. Co-requisites: see below
 - iii. Pre-Co-requisites: Biol 160, DHYG 219, DHYG 220, DHYG 245, DHYG 270
- c. Course Particulars:
 - i. Credits: 4
 - ii. Components: Clinic hours 12
 - iii. Is the course available by distance education? No
 - iv. Is prior learning available for this course? No

Note: A weekly schedule of clinics 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 clinical session as necessary.

3. Required Materials

(a) Texts

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

Nield-Gehrig, Fundamentals of Periodontal Instrumentation. 7th Ed. Philadelphia PA: Lippincott Williams & Wilkins; 2013.

Nield-Gehrig, Patient Assessment Tutorials, 3rd Ed. Philadelphia PA: Lippincott Williams & Wilkins; 2013.

Additional handouts/articles may be given throughout the Term.

(b) Other

Kilgore Model to be purchased by the student in week 2 of the semester.

Camosun College 2013 Instrument Kit to be purchased by the student in week 2 of the semester.

Clinic Manual. Camosun College Dental Hygiene Program; 2013-2014.

DHYG 270 Coursepack 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

Upon successful completion of this course a student will be able to:

Learning Outcomes for DHYG 271 Clinical Practice 1	Program (Global) Outcomes (FYI)
<ol style="list-style-type: none"> 1. Demonstrate professional behaviour and practice. (A) 2. Demonstrate effective interpersonal oral, written and expressive communication with peers/client and team at a beginning level. (B) 3. Apply knowledge of clinical and client health and safety practices in the clinical environment. (C,F,E) 4. Apply dental hygiene assessment processes while working with mannequins and peers/client. (F) 5. Demonstrate fundamental instrumentation and oral self-care skills with peers/client and mannequins. (F) 	<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 Session Outcomes: DHYG 271

Session 1: Introduction to course:

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.

Session 2: 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 (WHIMIS)
3. Report accidents and injuries when required.
4. Apply methods for controlling infection in a dental practice setting.

Session 3: 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 4: Instrument Acquisition and create own dental chart:

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

1. Acquire instruments and prepare for clinical use.
2. Handle instruments, equipment and hazardous materials in a safe manner.
3. Accurately fill out own Health History and Dental History and chart folder to be filed in the reception area.

Session 5: Identification of oral landmarks

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

1. Identify oral landmarks based on information from references.
2. Explain the relevance of 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.

Session 7, 8, 9, and 11: Instrumentation technique –Mirror, 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 10: Instrumentation technique with magnification –Mirror, Probe and Explorer

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

1. Apply instrumentation techniques utilizing magnification provided by 2 surgical magnification companies will provide samples.
2. Apply principles of modified pen grasp, fulcrums and finger rests on manikin and peer with mirror, probe and explorer.
3. Apply basic principle of instrument insertion and activation utilizing a walking stroke and exploratory stroke.
4. 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.
- 3.

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.

Session 23, 24, 25, 26, 27: Assessments—General Head and Neck Assessment and 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.

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: Implementation: Joint clinic with students in DHYG 371:

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

1. Utilize feedback from senior student during instrumentation practice.
2. Gain relevant knowledge regarding use of a variety of instruments.

Session 40: No Clinic

Session 39, 41, 42, 43: ADPIE application on a student partner:

1. Practice as a professional by integrating communication, critical thinking and collaboration and coordination abilities.
2. Use Camosun protocols to manage the practice environment to support client and personal safety.
3. Gain relevant assessment information for a student partner/client.
4. Work with the dental hygiene diagnosis generated by the clinical instructor.
5. Work with the care plan generated by the clinical instructor.
6. Provide dental hygiene services based on the approved care plan.
7. Assess the outcomes of the services provided using input from the client and instructor.

Session 44: Assessments or instrumentation practice:

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

1. Recall techniques utilized in the acquisition of assessment data and implementation techniques.
2. Utilizing self-evaluation techniques determine areas in skill development that require review and practice.

Session 45: 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 46: ADPIE observation: Observe DHYG 371 students providing client care:

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

1. Practice as a professional by integrating communication, critical thinking and collaboration and coordination abilities.
2. Observe use of Camosun College protocols to manage the practice environment to support client and personal safety.
3. Gain knowledge by observing the collection of relevant assessment information for a client.
4. Work with the dental hygiene diagnosis generated by the senior student.
5. Work with the care plan generated by the senior student.
6. Observe the provision of dental hygiene services based on the care plan.
7. Assess the outcomes of the services provided using input from the client and instructor.

Session 50: 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.

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 protocols for clients' evaluation phase of care.

Session 52: Evaluation and chart audit:

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

1. Evaluation the expected outcomes of client with assistance from instructor.
2. Complete audit process of clients chart with the assistance from instructor.

Session 54: Clinic Maintenance:

1. Satisfactorily complete clinic maintenance procedures in partnership with senior students.

Session 55: Implementation: Final practice session for the semester

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

1. Complete clinical requirements for semester
2. Practice instrumentation

5. Basis of Student Assessment (Weighting)

The student must satisfactorily:

1. Meet all course learning outcomes
 2. Competently complete 3 self-evaluations as described in section (a) below.
 3. Complete all documentation required in clinical exercises.
 4. Satisfactorily complete all formative and summative evaluations with instructor signatures.
- (a) **Assignment** : Self-evaluation reports. The student will reflect on their clinical experience and set goals for skill development with appropriate strategies to support attainment of the goals. *A template will be provided.*
- (b) Written reports to be submitted to lead instructor on Sept **30**, Nov **4** and Dec **9, 2013**. An electronic report will be submitted to the DHYG 271 list serve and 2 hard copies to lead instructor.
- (c) Formative and summative clinical evaluations handed out separately must be completed satisfactorily.

CC Grade	Course Grade	Description
DST	A	Distinguished performance for the expected abilities during this term of the program (standard met)
COM	B	Solid performance with some improvable areas for the expected abilities during this term of the program (standard met)
	C	Performance that meets criteria in a very minimal/elementary and basic manner for the expected abilities during this term of the program to the point that the learner is required to develop a learning plan to substantively improve abilities in the next term of the program (standard met with the development of the learning plan.
NC	D	Incomplete performance for the expected abilities during this term of the program (standard not met)

7. Grading System

Note a C grade is required to pass this course

Standard Grading System (GPA)

Competency Based Grading System

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

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

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.

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