

COURSE INFORMATION

COURSE PREFIX/NO: **DHG 175**

COURSE TITLE: **Clinical Dental Hygiene II**

LECTURE HRS/WK: 3.0

LAB HRS/WK: 0

CLINIC HRS: 12.0

CREDIT HRS/SEMESTER: 5.0

[DL ATTENDANCE/STATEMENT](#)
[TEXTBOK INFORMATION](#)

COURSE DESCRIPTION:

This course provides for the continued development of the skills necessary to perform dental hygiene care. Emphasis is placed on total care and treatment planning.

Co-Requisite: DHG 140, DHG 141

COURSE COMPETENCIES:

Upon completion of this course, the student should be able to:

1. Successfully apply all competencies learned in previous clinical courses.
2. Integrate concepts of effective interpersonal communication skills, clinical judgement and professionalism during all phases of client care.
3. Demonstrate proficiency in detecting subgingival calculus using the appropriate explorers, compressed air, tissue response and visual assessment.
4. Demonstrate proficiency in using ultrasonics for non surgical periodontal debridement.
5. Understand the therapeutic effects of ultrasonic debridement as it relates to microflora, calculus removal, and the effects of cavitation on the periodontally involved client.
6. Identify the indications and contraindications for use of the air polisher.
7. Develop adequate air polishing techniques and be able to properly assemble, disassemble and maintain the prophylaxis jet/cavijet unit.
8. Gain proficiency in the use of gracey curets on periodontally involved clients.
9. Understand the various forms of anxiety and pain control modalities available in clients during dental treatment and state the benefits of their use.

10. State the indications and contraindications for use of nitrous oxide sedation and be familiar with the armamentarium used.

11. Be aware of occupational exposure hazards in nitrous oxide use and how they can be controlled or eliminated.

12. Develop and implement a comprehensive dental hygiene care plan for clinical clients. Integrate components such as assessment, dental hygiene diagnosis, client goals, implementation of care, evaluation and outcomes assessment.

TEXTS:

Clinical Practice of the Dental Hygienist, 8th ed., Esther M. Wilkins

METHOD OF INSTRUCTION:

Lecture
Discussions
Audio-visual Materials
Overhead Projections
Clinical Applications
Reading Assignments
Written Tests

GRADING:

The final grading scale for DHG 175 is as follows:

94 - 100 A
87 - 93 B
86 - 80 C
79 - below F

***ALL SKILL EVALUATIONS MUST BE COMPLETED AT AN 80% PROFICIENCY. ALL EVALUATIONS WILL BE AVERAGED IN EACH CATEGORY. (EXAMPLE: ALL ULTRASONIC EVALUATIONS)**

The grade will be calculated by:

Lecture, including written tests and quizzes (must be an average of 80%) 20%
Clinical Clients 40%
Skill Evaluations 40%

I. COURSE REQUIREMENTS:

In order to successfully complete DHG 175, the student is required to fulfill the following requirements:

1. Attend all lectures and clinical sessions.
2. Complete all reading assignments prior to class session.
3. Successfully complete all written tests with a minimum grade of 80%.
4. Adhere to the Infection Control Policy.
5. Adhere to the dress code.
6. Complete all clinical requirements to a proficient level of 80%.
7. Maintain professional conduct during all clinical sessions.
8. Complete all course competencies.
9. Complete three (3) Communication Skills Self Assessments on three (3) different clients.
10. Complete three (3) Self Care Educations Assessments on three (3) different clients.
11. Detect subgingival deposits on all Class II and IV clients as recommended by your clinical instructor that session.
12. Complete all clinical requirements as stated below.

WRITTEN TESTS:

Students are expected to take all written exams on the day they are scheduled. If you miss a test, you will have until the next class period to make it up. No test will be administered before the scheduled date. If you are not present for a scheduled test, there will be an automatic seven (7) point deduction from the grade earned on the make up test. Seriously consider the consequences of an absence.

II. CLINICAL REQUIREMENTS

A. Client Requirements:

Class III 2
Class II 3

Clients are expected to be seen during other clinical sessions. You are required to be present with a client for a minimum of 25 clinical sessions. Failure to meet this attendance policy will result in withdrawal from the Dental Hygiene Program. (refer to Student Handbook p.32)

How you use your clinic time will be your choice. Understand the consequences of your failure to complete requirements or be in clinic with a client. This will be strictly enforced.

B. Radiographs:

FMX 2
BW's 8

C. Sealants:

3 requirements. Horizontal bitewings or equivalent are required on patients before sealants are placed. Approval by clinical dentist is required.

D. Nutritional Counseling:

One (1) required.

E. Drug Cards:

Each student will complete a green drug card for every medication listed on your patients medical history. These are to be taken to the clinic dentist along with your medical history for review and signature. Keep these drug cards for future reference and use with other patients. Each student is to have their own personal file of completed drug cards.

F. Amalgam Polishing:

Each student will be required to complete one patient for amalgam polishing. This patient should have a minimum of four posterior teeth with amalgam restorations that need polishing. **Prior approval from clinic dentist is required.**

G. UltraSonic Evaluations:

Each student will be required to complete a satisfactory evaluation of use of ultrasonics on one client. This competence may involve more than one (1) attempt so plan accordingly, starting week five (5) in the semester.

H. As previously stated three (3) "Communications Self Assessment", three (3) "Self Care Education Assessments" and two (2) "Human Needs Assessment and Planning" evaluations are a clinical requirement for DHG 175.

III. ATTENDANCE POLICY:

Students are expected to attend **ALL LECTURE AND CLINICAL SESSIONS** as scheduled in DHG 175. If an absence is unavoidable, the student must contact the instructor prior to the class. The student should take responsibility for this absence and make arrangements to get class assignments, notes, handouts or any other information from a classmate. Absence is no excuse for not being informed. If you are absent on a clinic day, please call and inform your instructor or the Business Office Manager before the session begins (9:00am and/or 1:00pm). **If a student is absent for more than three (3) consecutive days, a doctor's statement will be needed.**

IMPORTANT CONSIDERATIONS IN SCHEDULING AND ATTENDANCE IN CLINIC

The Business Office Manager will fill all open appointments in the appointment book as calls come in. Please check your messages frequently for any changes that may occur in the appointment schedule. **It is your responsibility to keep the appointment schedule updated in writing, do not call in changes or leave messages at A-100, A-101 or the switchboard.** If an appointment time must be reserved in the appointment book, **you must personally write "hold" in the appropriate time slot.**

If there is ever the unfortunate occasion that your appointed patient arrives and you are not present in clinic, you will, **with no exception, earn a zero (0) in the Class II category of patients. This will **seriously** affect your clinical grade, but is easily avoidable if you follow the correct protocol.

All DHG 175 students will be expected in **full school uniform** during each clinical session. If you do not have a client, you may sign out for thirty (30) minutes to locate one. Please sign the appropriate "sign out form" located at reception area window, and log back in upon your return. At that time you will be given an "alternate activity" with the potential to earn a grade in professional development for that day.

NO STUDENT LEAVES UNTIL EACH CLINICIAN IS FINISHED. PLEASE HELP EACH OTHER TO FINISH WITHIN A REASONABLE TIME.

REMEMBER: Clinic clients should be dismissed (gone) no later than 11:30 or 3:30. Check out times will start 30 or 45 minutes prior to that time so that client records can be completed. Chart entries for **return** clients are to be completed before instructor check out. Instructor will take chart at that time for completion.

If you are absent on a day you are scheduled for a rotation, you will earn a zero for the Clinical Assistant grade that day.

Please refer to York Technical College Handbook page 39 for college policy on attendance which states "**Students who are absent from a class more than 20% of the hours assigned will be withdrawn**".

IV. GRADING:

Computer printouts will be available for student review. If, at the end of the current semester, all clinical patient requirements are not met, you will earn a grade of zero for that incomplete requirement. For example, on the last clinic day, if you have completed nineteen (19) of the required twenty (20) quadrants for Class III patients, a zero will be averaged in for the last required quadrant. Consider the serious affect this can have on your average, you have ample time to complete requirements within the semester.

DUE TO THE NATURE OF THE GRADING SYSTEM, TRANSFERRING OR SHARING OF CLIENTS WILL NOT BE ALLOWED. ALL CLIENTS MUST HAVE COMPLETED ASSESSMENT PRIOR TO SCALING.

COMPONENTS OF CLINICAL GRADE COMPETENCIES

A. PROFESSIONALISM AND ATTITUDE:

Students will be graded daily on professionalism, attitude, dress, Infection Control, maintenance of equipment, time management, clinical judgement, medical history, vital signs, oral hygiene instructions, fluoride treatment and records.

A violation in any of these areas will result in an automatic twenty-five (25) point deduction in professional development for the day.

B. CLINICAL PATIENTS:

*Students must complete all clinical requirements at an 80% proficiency level in **BOTH**

Students must complete all clinical requirements at an 80% proficiency level in **BOTH SCALING AND PROFESSIONAL DEVELOPMENT REGARDLESS OF THE COMBINED AVERAGE** for all classifications of patients (I, II, III/IV) to receive credit for the class. If requirements are not met or are not at the appropriate proficiency level of 80% in either scaling or professional development, the student will receive a failing grade for DHG 175, and will be dismissed from the dental hygiene program.

THERE WILL BE NO "ROUNDING UP" TO ACHIEVE THE 80% COMPETENCE.

C. RADIOGRAPHS:

There will be a one (1) point deduction for each film requiring a retake.

A grade of 86% must be achieved on two (2) Full Mouth Series and 80% must be achieved on eight (8) BW's in order to receive credit towards requirements. All appropriate paper work must be completed and submitted for grading in order to receive credit. Paperwork to be submitted includes:

- 1 - exposure record completed
- 2 - critique sheet completed
- 3 - anatomical landmarks completed on full mouth series

If the student fails to meet the 86% competency for each of the two (2) FMS' and 80% of the eight (8) BW's, and fails to complete all required paperwork, the student will receive a grade of "F" and be dismissed from the program.

D. EVALUATIONS:

-Clinical grade will include Communication Self Assessment, Self Care Assessment and subgingival detection.

-Human needs assessment planning and evaluation forms are to be completed on all Class III clients. Initial assessment should be completed at time of the assessment appointment, evaluation section to be completed upon completion of client.

- Ultrasonic Evaluations
- Detection Evaluations

DHG 175 CLINICAL DENTAL HYGIENE COURSE OUTLINE

I. Subgingival Calculus Detection TIME ALLOCATED: 3 HOURS

- A. Use of explorers
- B. Various designs of explorers
- C. Grasp, fulcrum
- D. Tactile sensitivity
- E. Use of sensory stimuli
- F. Tooth surface irregularities

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- G. Essentials of detection skills

II. Ultrasonics **TIME ALLOCATED: 12 HOURS**

- A. Ultrasonic Non-Surgical Instrumentation Techniques
- B. Defining NSPT
- C. Defining debridement and understand its philosophy
- D. Aims and outcomes expected
- E. Difficulty of defining and assessing "smooth"

Types of Ultrasonic Devices

- A. Magnetostrictive
- B. Piezoelectric
- C. Sonic scalers

Types of Ultrasonic Inserts

- A. Shape
- B. Size
- C. Design
- D. Water delivery
- E. Plastic tip

Mode of Action

- A. Mechanical vibration
- B. Cavitron
- C. Irrigation

Indications and Contraindications for use of the Ultrasonic Devices.

- A. Explanation of their use
- B. Limitations
- C. Advantages
- D. Risk considerations
 - 1. to client
 - 2. to clinician
 - 3. titanium implants
 - 4. damage to integrity of restorations

Techniques in Ultrasonic Debridement

- A. Water control
- B. Tuning
- C. Systematic approach
- D. Grasp, adaptation and activation
- E. Multidirection stroke
- F. Tip in motion
- G. Minimal pressure

Client Management

- A. Informed consent
- B. Pre-op rinsing
- C. Post operative instructions

Therapeutic Effects of Ultrasonics

- A. Calculus removal
- B. Effects on microflora
- C. Irrigation
- D. Cavitational activity
- E. Margination

Evaluation and Defining Endpoint

III. Airpolishing **TIME ALLOCATED: 1 HOUR**

- A. Principles of application
- B. Technique
 - 1. anterior teeth
 - 2. posterior teeth
 - 3. occlusal surfaces
- C. Indications/Contraindications
- D. Management of Aerosols
- E. Maintenance of Unit

IV. Gracey Curets **TIME ALLOCATED: 3 HOURS**

- A. Unique design
- B. Advantages
- C. Limitations of area specific instruments
- D. Selection, adaptation, angulation, stroke
- E. Sharpening

V. Anxiety Pain Control **TIME ALLOCATED: 5 HOURS**

- A. Components of pain
- B. Pain control mechanisms
- C. Nitrous Oxide Sedation
 - 1. client selection
 - 2. equipment
 - 3. clinical procedures for administration
 - 4. advantages and disadvantages
 - 5. hazards of occupational exposure
- D. Local Anesthetic
 - 1. computer controlled anesthetic
- E. Topical Anesthetics
- F. Pharmacologic Pain Control
- G. Electronic Pain Control
 - 1. TENS unit
- H. Alternative Methods
 - 1. creative imagery
 - 2. behavior management
 - 3. biofeedback
 - 4. non-verbal/verbal techniques
 - 5. hypnosis
 - 6. progressive relaxation
 - 7. counseling

VI. Dental Hygiene Care Plan **TIME ALLOCATED: 3 HOURS**

- A. Dental Hygiene Diagnosis
- B. Dental Hygiene Prognosis
- C. Planning Dental Hygiene Care
 - 1. goals
 - 2. risk factors
 - 3. oral health care knowledge level of the client

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- 4. role of the client
- 5. involvement of the client
- D. Implementation of Plan
 - 1. sequencing and prioritizing care
 - 2. role of client self care
- E. Evaluating the Plan
 - 1. suggested improvements and changes

VII. Communications **TIME ALLOCATED: 3 HOURS**

- A. Characteristics of "Helping Professionals"
- B. Non verbal communication
- C. Factors affecting communication
 - 1. perceptions
 - 2. values
 - 3. sociocultural background
 - 4. emotions
 - 5. knowledge
 - 6. enhancing communication
 - 7. appropriate descriptive
 - 8. importance of silence
 - 9. identifying and coping with "difficult behaviors"
 - 10. clinical judgement