



INSTRUCTIONAL PACKAGE

DHG 165
Clinical Dental Hygiene

Effective Term
Fall 2024/Spring 2025/Summer 2025

INSTRUCTIONAL PACKAGE

Part I: Course Information

Effective Term: Fall 2024/Spring 2025/Summer 2025

COURSE PREFIX: DHG 165

COURSE TITLE: Clinical Dental Hygiene I

CONTACT HOURS: 11

CREDIT HOURS: 5

RATIONALE FOR THE COURSE:

This course will help students identify risk factors and potential emergencies in the dental office before they occur. It will also give them skills to manage medical emergencies when they occur. As a continuation of DHG 155, students will learn additional dental hygiene instrumentation to enhance their ability to effectively treat patients in the clinical setting. They will learn how to effectively develop a patient treatment plan using a variety of assessment tools.

This is an introductory course to the clinical setting for application of dental hygiene skills for patient care.

PREREQUISITES:

DHG 151 DENTAL HYGIENE PRINCIPLES

DHG 243 TOOTH MORPHOLOGY

AHS 113 HEAD & NECK ANATOMY

CO-REQUISITES:

DHG 141 PERIODONTOLOGY

DHG 121 DENTAL RADIOLOGY

DHG 143 NUTRITION

REQUIRED MATERIALS:

Please visit the [BOOKSTORE](#) online site for most current textbook information. Use the direct link below to find textbooks.

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's learning management system (LMS) used for course materials.

Access to the myHGTC portal for student self-services

College email access – this is the college's primary official form of communication.

STUDENT IDENTIFICATION VERIFICATION:

Students enrolled in online courses will be required to participate in a minimum of one (1) proctored assignment and/or one (1) virtual event to support student identification verification. Please refer to your Instructor Information Sheet for information regarding this requirement.

CLASSROOM ETIQUETTE:

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate. *Refer to the HGTC Dental Sciences Program Manual for additional policies on classroom etiquette.

NETIQUETTE: is the term commonly used to refer to conventions adopted by Internet users on the web, mailing lists, public forums, and in live chat focused on online communications etiquette. For more information regarding Netiquette expectations for distance learning courses, please visit [Online Netiquette](#).

Part II: Student Learning Outcomes

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

Module 1

Materials Covered: *Stanley F. Malamed: Chapter 1 & 2, Introduction, Prevention*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Introduction:
 - a. Morbidity
 - b. Death and Permanent Brain Damage
 - c. The State of Preparation for the Recognition and Management of Medical Emergencies in Dental Offices
 - d. Risk Factors
 - e. Classifications of Life-Threatening Situations
 - f. Outline of Specific Emergency Situations
2. Prevention:
 - a. Evaluation Goals
 - b. Medical History Questionnaire
 - c. Recognition of Dental Fear and Anxiety

Module 2

Materials Covered: *Stanley F. Malamed: Chapter 3 & 4, Preparation, Legal Considerations*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Preparation:
 - a. Emergency Drug Kits
 - b. Essential Emergency Drugs and Equipment
 - c. Secondary (Nonessential) Emergency Drugs and Equipment
 - d. Advanced Cardiovascular Life Support
 - e. Antidotal Drugs
 - f. Organization of the Emergency Drug Kit
 - g. Parenteral Administration of Drugs
2. Legal Considerations:
 - a. Modern Liability Insurance Crises
 - b. Theories of Liability
 - c. Emergency Situations

Module 3

Materials Covered: *Stanley F. Malamed: Chapter 5 & 6, Unconsciousness: General Considerations, Vasodepressor Syncope*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Unconscious: General Considerations to include:
 - a. Predisposing Factors
 - b. Prevention
 - c. Clinical Manifestations
 - d. Pathophysiology
 - e. Management
2. Vasodepressor Syncope to include:
 - a. Predisposing Factors
 - b. Prevention
 - c. Clinical Manifestations
 - d. Pathophysiology
 - e. Management

Module 4

Materials Covered: *Stanley F. Malamed: Chapter 7 & 8, Postural Hypotension, Acute Adrenal Insufficiency*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Postural Hypotension
 - a. Predisposing Factors

- b. Prevention
 - c. Clinical Manifestations
 - d. Pathophysiology
 - e. Management
2. Acute Adrenal Insufficiency
- a. Predisposing Factors
 - b. Prevention
 - c. Dental Therapy Considerations
 - d. Clinical Manifestations
 - e. Pathophysiology
 - f. Management

Module 5

Materials Covered: *Stanley F. Malamed: Chapter 9 & 10, Unconsciousness: Differential Diagnosis, Respiratory Distress: General Considerations*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Unconsciousness: Differential Diagnosis
 - a. Age of patient
 - b. Circumstances Associated with Loss of Consciousness
 - c. Position of Patient
 - d. Presyncopal Signs and Symptoms
2. Respiratory Distress: General Considerations
 - a. Predisposing Factors
 - b. Prevention
 - c. Clinical Manifestations
 - d. Pathophysiology
 - e. Management

Module 6

Materials Covered: *Stanley F. Malamed: Chapter 11 & 12, Foreign Body Ingestion and Aspiration, Hyperventilation*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Foreign Body Ingestion:
 - a. Incidence
 - b. Prevention
 - c. Management
2. Hyperventilation

- a. Predisposing Factors
- b. Clinical Manifestations
- c. Pathophysiology
- d. Management

Module 7

Materials Covered: *Stanley F. Malamed: Chapter 13, 14, & 15 Asthma, Heart Failure and Acute Pulmonary Edema, Respiratory Distress: Differential Diagnosis*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Asthma
 - a. Predisposing Factors
 - b. Prevention
 - c. Clinical Manifestations
 - d. Pathophysiology
2. Heart Failure and Acute Pulmonary Edema
 - a. Impact of Demographics and Socioeconomic Status
 - b. Prognosis
 - c. Predisposing Factors
 - d. Prevention
 - e. Medical History Questionnaire
 - f. Clinical Manifestations
 - g. Pathophysiology
 - h. Management
3. Respiratory Distress: Differential Diagnosis
 - a. Medical History
 - b. Age, Sex
 - c. Related Circumstances
 - d. Clinical Symptoms Between Acute Episodes
 - e. Position
 - f. Accompanying Sounds
 - g. Symptoms Associated with Respiratory Distress
 - h. Peripheral Edema and Cyanosis
 - i. Paresthesia of the Extremities
 - j. Use of Accessory Respiratory Muscles
 - k. Chest Pain
 - l. Heart Rate and Blood Pressure
 - m. Duration of Respiratory Distress

Module 8

Materials Covered: *Stanley F. Malamed: Chapter 16 & 17, Altered Consciousness: General Considerations, Diabetes Mellitus*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Altered Consciousness: General Considerations
 - a. Predisposing Factors
 - b. Clinical Manifestations
 - c. Pathophysiology
 - d. Management
2. Diabetes Mellitus
 - a. Chronic Complications
 - b. Acute Complications
 - c. Predisposing Factors
 - d. Types of Diabetes
 - e. Hyperglycemia
 - f. Hypoglycemia
 - g. Control of Diabetes
 - h. Prevention
 - i. Clinical Manifestations
 - j. Management

Module 9

Materials Covered: *Stanley F. Malamed: Chapter 18 & 19, Thyroid Gland Dysfunction, Cerebrovascular Accident*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Thyroid Gland Dysfunction
 - a. Predisposing Factors
 - b. Prevention
 - c. Clinical Manifestations
 - d. Management
2. Cerebrovascular Accident
 - a. Classification
 - b. Predisposing Factors
 - c. Prevention
 - d. Clinical Manifestations

- e. Pathophysiology
- f. Management

Module 10

Materials Covered *Stanley F. Malamed: Chapter 20 & 21, Altered Consciousness: Differential Diagnosis, Seizures*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Altered Consciousness: Differential Diagnosis
 - a. Medical History
 - b. Age, Sex
 - c. Related Circumstances
 - d. Onset of Signs and Symptoms
 - e. Presence of Symptoms Between Acute Episodes
 - f. Loss of Consciousness
 - g. Signs and Symptoms
 - h. Vital Signs
2. Seizures
 - a. Types of Seizure Disorders
 - b. Causes
 - c. Predisposing Factors
 - d. Prevention
 - e. Clinical Manifestations
 - f. Pathophysiology
 - g. Management
 - h. Differential Diagnosis

Module 11

Materials Covered: *Stanley F. Malamed: Chapter 22 & 23, Drug Related Emergencies: General Considerations, Drug Overdose Reactions*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. *Drug Related Emergencies: General Considerations*
 - a. Prevention
 - b. Medical History Questionnaire
 - c. Classification
 - d. Drug Related Emergencies
2. Drug Overdose Reactions
 - a. LAST-Local Anesthetic System Toxicity

- b. Epinephrine (Vasoconstrictor) Overdose Reaction
- c. Central Nervous System Depressant Overdose Reactions

Module 12

Materials Covered: *Stanley F. Malamed: Chapter 24 & 25, Allergy, Drug-Related Emergencies: Differential Diagnosis*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Allergy
 - a. Predisposing Factors
 - b. Prevention
 - c. Management
 - d. Clinical Manifestations
 - e. Pathophysiology
 - f. Management
2. Drug-Related Emergencies: Differential Diagnosis
 - a. Medical History
 - b. Age, Sex
 - c. Position
 - d. Vital Signs
 - e. Onset of Signs and Symptoms
 - f. Prior Exposure to Drug
 - g. Dose of Drug Administered
 - h. Overall Incidence of Occurrence
 - i. Signs and Symptoms

Module 13

Materials Covered: *Stanley F. Malamed: Chapter 26 & 27, Chest Pain, Stable Ischemic Heart Disease-Angina Pectoris*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Chest Pain
 - a. General Considerations
 - b. Predisposing Factors
 - c. Prevention
 - d. Clinical Manifestations
 - e. Pathophysiology
 - f. Management
2. *Stable Ischemic Heart Disease-Angina Pectoris*

- a. Predisposing Factors
- b. Prevention
- c. Dental Therapy Considerations
- d. Clinical Manifestations
- e. Pathophysiology
- f. Management

Module 14

Materials Covered: *Stanley F. Malamed: Chapter 28 & 29, Acute Coronary Syndrome-Myocardial Infarction, Chest Pain: Differential Diagnosis*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. *Acute Coronary Syndrome-Myocardial Infarction*
 - a. Predisposing Factors
 - b. Collateral Circulation
 - c. Prevention
 - d. Dental Therapy Considerations
 - e. Clinical Manifestations
 - f. Other Clinical Signs and Symptoms
 - g. Pathophysiology
 - h. Management
2. Chest Pain: Differential Diagnosis
 - a. Noncardiac Chest Pain
 - b. Cardiac Causes of Chest Pain

Module 15

Materials Covered: *Stanley F. Malamed: Chapter 30 & 31, Cardiac Arrest, Pediatric Considerations*

Assessments: Quizzes, Test, Competencies, and Clinic Patient Grade.

Objectives:

1. Cardiac Arrest
 - a. Survival from Sudden Cardiac Arrest
 - b. The Chain of Survival
 - c. The Dental Office
 - d. Sudden Cardiac Arrest
 - e. Basic Life Support (CPR)
2. Pediatric Considerations
 - a. Preparation
 - b. Basic Management

****Students – please refer to the Instructor’s Course Information sheet for specific information on assessments and due dates.***

Part III: Grading and Assessment

EVALUATION OF REQUIRED COURSE ASSIGNMENTS:

Students’ performance will be assessed, and the weight associated with the various measures/artifacts are listed below.

Lecture	70% of Final Grade
6 Tests (13%X6)	78%
Final Exam (20%)	20%
Professionalism (2%)	<u>2%</u>
	100%
Lab	30% of the Final Grade
7 Competencies* (10%x7)	70%
2 Tests (14%x2)	28%
Professionalism (2%)	<u>2%</u>
	100%

*Students must complete the course with a grade of 77% or higher in lecture and clinic (LAB) to pass this class.

*The number of attempts allowable to pass clinical competency assessments is no more than three (3) attempts. If a student cannot pass the third attempt, a grade of “D” will be assigned, and the student cannot progress in the program. A student who does not pass a competency or skill check after the first attempt is required to meet with their clinical instructor for further remediation before making further attempts.

GRADING SYSTEM:

A=90-100

B=80-89

C=77-79

D=70-76

F=69 and below

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop

periods are shorter for accelerated format courses. Please refer to the [academic calendar](#) for deadlines for add/drop. You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of 80 percent (80%) of their classes in order to receive credit for any course. Due to the varied nature of courses taught at the college, some faculty may require up to 90 percent (90%) attendance. Pursuant to 34 Code of Federal Regulations 228.22 - Return to Title IV Funds, once a student has missed over 20% of the course or has missed two (2) consecutive weeks, the faculty is obligated to withdraw the student and a student may not be permitted to reenroll. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

***Refer to the HGTC Dental Sciences Program Manual for additional attendance policies.**

Part V: Student Resources



THE STUDENT SUCCESS AND TUTORING CENTER (SSTC):

The SSTC offers to all students the following **free** resources:

1. **Academic tutors** for most subject areas, **Writing Center support**, and **college success skills**.
2. Online **tutoring** and academic support resources.
3. Professional and interpersonal communication **coaching** in the EPIC Labs.

Visit the [Student Success & Tutoring Center](#) website for more information. To schedule tutoring, contact the SSTC at ssc@hgtc.edu or self-schedule in the Penji iOS/Android app or at www.penjiapp.com. Email ssc@hgtc.edu or call SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455, or go to the [Online Resource Center](#) to access on-demand resources.



STUDENT INFORMATION CENTER: TECH Central

TECH Central offers to all students the following free resources:

1. **Getting around HGTC:** General information and guidance for enrollment, financial aid, registration, and payment plan support!
2. Use the [Online Resource Center \(ORC\)](#) including Office 365 support, password resets, and username information.
3. **In-person workshops, online tutorials and more services** are available in Desire2Learn, Student Portal, Degree Works, and Office 365.
4. **Chat with our staff on TECH Talk**, our live chat service. TECH Talk can be accessed on the student portal and on TECH Central's website, or by texting questions to (843) 375-8552.

Visit the [Tech Central](#) website for more information. Live Chat and Center locations are posted on the website. Or please call (843) 349 – TECH (8324), Option #2.



HGTC LIBRARY:

Each campus location has a library where HGTC students, faculty, and staff may check out materials with their HGTC ID. All three HGTC campus libraries are equipped with computers to support academic research and related school work; printing is available as well. Visit the [Library](#) website for more information or call (843) 349-5268.

The **Instructor Information Sheet** will have more details on test requirements for your course.

DISABILITY SERVICES:

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to HGTC's [Accessibility and Disability Service webpage](#). The Accessibility and Disability Services staff will review documentation of the student's disability and, in a confidential setting with the student, engage in an interactive process to develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided.

Students will need to reach out to the Accessibility and Disability Services staff each semester to renew their accommodations.

COUNSELING SERVICES:

HGTC Counseling Services strives to optimize student success through managing personal and academic concerns that may interfere with achieving educational goals. Staff are available to every student for assistance and guidance on personal matters, academic concerns and other areas of concern. HGTC offers free in-person and telehealth counseling services to students. For more information about counseling services, please reach out to counseling@hgtc.edu or visit the website the [Counseling Services webpage](#).

STATEMENT OF EQUAL OPPORTUNITY/NON-DISCRIMINATION STATEMENT:

Horry-Georgetown Technical College shall not discriminate in employment or personnel decisions or in student admissions or in student decisions, or in all other segments of the College community on the basis of race, color, sex, national or ethnic origin, age, religion, disability, marital or family status, veteran status, political ideas, sexual orientation, gender identity, or pregnancy, childbirth, or related medical conditions, including, but not limited to, lactation, in the educational programs and activities which it operates, and the college is prohibited from discrimination in such manner by applicable laws. Practices and requirements for nondiscrimination extend to the enrollment of students in programs and activities of the College and employment by the College.

All inquiries regarding the federal laws as they relate to discrimination on the basis of sex may be directed to Tamatha Sells, Title IX Coordinator, Horry-Georgetown Technical College, Building 1100C, Room 107B, 2050 Hwy 501 E, PO Box 261966, Conway, SC 29528-6066, 843-349-5218, tamatha.sells@hgtc.edu or to the US Department of Education Office of Civil Rights. (Telephone: 800-421-3481/Email: OCR@ed.gov).

Other employee and applicant inquiries concerning the federal laws and their application to the College may be directed to Jacquelyne Snyder, Vice President, Human Resources and Employee Relations & the College's Affirmative Action/Equal Opportunity Officer, Horry-Georgetown Technical College, Building 200C, Room 205B, 2050 Hwy 501 E, PO Box 261966, Conway, SC 29528-6066, 843-349-5212, jacquelyne.snyder@hgtc.edu.

Other student and prospective student inquiries concerning the federal laws and their application to the College or any student decision may be directed to Dr. Melissa Batten, Vice President, Student Affairs, Section 504 & Title II Coordinator Horry-Georgetown Technical College, Building 1100C, Room 107A, 2050 Hwy 501 E, PO Box 261966, Conway, SC 29528-6066, 843-349-5228, melissa.batten@hgtc.edu.

TITLE IX REQUIREMENTS:

Title IX of the Education Amendments of 1972 protects students, employees, applicants for admission and employment, and other persons from all forms of sex discrimination.

HGTC prohibits the offenses of domestic violence, dating violence, sexual assault, and stalking and will provide students, faculty, and staff with necessary information regarding prevention, policies, procedures, and resources.

Any student, or other member of the college community, who believes that they have been a victim of sexual harassment, domestic violence, dating violence, sexual assault, or stalking may file a report with the college's Title IX Coordinator or campus law enforcement*.

*Faculty and Staff are required to report these incidents to the Title IX Coordinator when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

For more information, contact Tamatha Sells, Title IX Coordinator, Conway Campus, Building 1100C, Room 107B, 843-349-5218, tamatha.sells@hgtc.edu.

PREGNANCY ACCOMMODATIONS

Under Title IX, colleges must not exclude a pregnant student from participating in any part of an educational program. Horry-Georgetown Technical College is committed to ensuring that pregnant students receive reasonable accommodations to ensure access to our educational programs.

Students should advise the Title IX Coordinator of a potential need for accommodations as soon as they know they are pregnant. It is extremely important that communication between student, instructors, and the Title IX Coordinator begin as soon as possible. Each situation is unique and will be addressed individually.

Title IX accommodations DO NOT apply to Financial Aid. Financial Aid regulations do not give the College any discretion in terms of Financial Aid eligibility.

Certain educational programs may have strict certification requirements or requirements mandated by outside regulatory agencies. Therefore, in some programs, the application of Title IX accommodations may be limited.

To request pregnancy accommodations, please complete the [**Pregnancy Intake Form**](#)