



INSTRUCTIONAL PACKAGE

DAT 123

Oral Medicine/Oral Biology

Effective Term
AY 2020/2021

INSTRUCTIONAL PACKAGE

Part I: Course Information

Effective Term: 202020

COURSE PREFIX: DAT 123

COURSE TITLE: Oral Medicine/Oral Biology

CONTACT HOURS: 3

CREDIT HOURS: 3

RATIONALE FOR THE COURSE:

DAT 123 Oral Medicine/Oral Biology introduces the Expanded Duty Dental Assisting student to functions performed in the profession of dentistry pertaining to recognizing oral pathology, assisting with medical emergencies, and as well as the dental assistant's role in providing the patient with counseling on medications as they are prescribed by the dentist. An overview of general anatomy and physiology is emphasized.

COURSE DESCRIPTION:

This course presents a basic study of oral pathology, pharmacology, nutrition, and common emergencies as related to the role of the Dental Assistant.

PREREQUISITES/CO-REQUISITES:

DAT 113 Dental Materials
DAT 118 Dental Morphology
DAT 127 Dental Radiology
DAT 154 Clinical Procedures I
DAT 174 Office Rotations
DAT 115 Ethics Professionalism
DAT 121 Dental Health Education
DAT 122 Dental Office Management
DAT 177 Dental Office Experience
DAT 183 Specialty Functions

***Online/Hybrid** courses require students to complete the DLI Online Student Orientation prior to completing an online course. The DLI Online Student Orientation can be found in WaveNet, under the My Student tab.

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.

April 2020

TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's student portal for course materials.
WaveNet and D2L email access.

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

Dental assistants must appreciate their role as a health care provider in a dental office. This role requires the Expanded Duty Dental Assisting student be proficient in the background knowledge to perform clinical dental assisting duties and supportive treatments as it pertains the care of patients during medical and dental emergencies as well explaining the instructions and reasons for the medications prescribed by the dentist. The Expanded Duty Dental Assisting student will also be able to identify normal soft and hard tissue of the oral cavity and to alert the dentist should the patient present with possible abnormal tissues. An overall understanding of general anatomy and general physiology of all body systems also provides the dental assistant with context for health conditions noted in patient care. Upon completion of the following sections of DAT 123, the Expanded Duty Dental Assisting student will be competent to perform the following:

- 1) Discuss the following pharmacological agents and their actions upon the pathological causes.
 - Analgesics
 - Antibiotics
 - Antihistamines
 - Anesthetics
 - Controlled substances
- 2) Explain the components of a medication prescription.
- 3) Transcribe a medical prescription as directed by a supervising dentist.
- 4) Discuss the changes that affect the normal oral anatomy as it pertains to the following
 - Inflammation and oral lesions
 - Biological agents

- Physical agents
 - Chemical agents
 - Developmental disturbances
 - Oral lesion related to AIDS, HIV and other viruses
- 5) Discuss the role of the dental assistant in assisting patients who may have various medical and dental emergencies in the dental office.
 - 6) Perform various roles in assisting the dentist during various dental or medical emergencies or patients who may have various medical and dental emergencies in the dental office.
 - 7) Explain general anatomy components, to include planes and body directions, body cavities and regions, and structural units.
 - 8) Describe general physiology as it pertains to the following body systems: skeletal, muscular, cardiovascular, nervous, respiratory, digestive, endocrine, urinary, integumentary and reproductive.

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

Module 1

Material Covered: Ch. 6 General Anatomy

Assessments: Written Test & Final Exam

Objectives:

1. Pronounce, define, and spell the key terms.
2. Identify the planes and associated body directions used to divide the body into sections.
3. Identify and describe the four levels of organization in the human body
4. Identify the two major body cavities and their components, as well as name and locate the two reference regions of the body.

Module 2

Material Covered: Ch. 7 General Physiology

Assessments: Written Test & Final Exam

Objectives:

1. Pronounce, define, and spell the key terms.
2. Explain why understanding physiology is important to the dental assistant.
3. Locate the skeletal system; explain its purpose, components, and functions; and describe the signs and symptoms of its common disorders.
4. Locate the muscular system; explain its purpose, components, and functions; and describe the signs and symptoms of its common disorders.
5. Locate the cardiovascular system; explain its purpose, components, and functions; and describe the signs and symptoms of its common disorders.

Module 3

Material Covered: Ch. 17 Oral Pathology

Assessments: Written Test & Final Exam

Objectives:

1. Pronounce, define, and spell the key terms.
2. Explain the importance of a dental assistant understanding oral pathology.
3. Describe the steps necessary when making a diagnosis.

4. Describe the difference between acute and chronic inflammation, including the classic signs of inflammation.
5. Describe the types of oral lesions.
6. Name three types of diseases of the oral soft tissues.

Module 4

Material Covered: Ch. 29 Special Needs & Medically Compromised Patient

Assessments: Written Test & Final Exam

Objectives:

1. Pronounce, define, and spell the key terms.
2. Discuss the role of the dental assistant when caring for the special care patient.
3. Describe the stages of aging in the older population and the orally related conditions that affect this population.
4. Discuss the importance of the medical history for the special needs/medically compromised patient.
5. Give the major medical disorders that can affect a patient's oral health, and include the type of dental management a medically compromised patient would receive.

Module 5

Material Covered: Ch. 30 Principles of Pharmacology

Assessments: Written Test & Final Exam

Objectives:

1. Pronounce, define, and spell the key terms.
2. Differentiate between a drug's chemical, generic, and brand or trade name.
3. Discuss the dispensing of drugs
4. Describe the use of drug reference materials.
5. Give the routes in the administration of drugs.
6. List the stages a drug goes through in the body.
7. List the drugs commonly prescribed in dentistry.
8. List the drugs frequently prescribed in medicine.
9. Describe the negative effects of drug use

Module 5

Material Covered: Ch. 37 Anesthesia & Pain Control

Assessments: Written Test & Final Exam

1. Pronounce, define, and spell the key terms.
2. Discuss importance of pain control in dentistry
3. Describe composition and application of topical anesthetics
4. Discuss local anesthesia to include: composition, injection techniques, setup and complication, including precautions the dental team should be aware of.
5. List benefits of electronic anesthesia
6. Discuss inhalation sedation including nitrous oxide
7. List conditions in which antianxiety drugs might be used in dentistry
8. Discuss intravenous sedation as well as general anesthesia, and their uses in dentistry
9. Explain the necessity of documenting type of anesthesia and pain control used in dentistry

****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 MEASURES/ARTIFACTS*:

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

EVALUATION*

Tests (3)	75%
Final Exam	25%
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	100%

****Students, for the specific number and type of evaluations, please refer to the Instructor’s Course Information Sheet.***

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 policies on attendance.

For online and hybrid courses, check your Instructor's Course Information Sheet for any required on-site meeting times. Please note, instructors may require tests to be taken at approved testing sites, and if you use a testing center other than those provided by HGTC, the center may charge a fee for its services.

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 appointments using TutorTrac, visit the Student Services tab in WaveNet. 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.



CENTRAL 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!
2. Use the [Online Resource Center \(ORC\)](#) including scheduled technology training, Office 365 support, password resets, and username information.
3. **Drop-in technology support or scheduled training** in the Center or in class.
4. **In-person workshops, online tutorials and more services** are available.
5. **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).

STUDENT TESTING:

Testing in an **online/hybrid** course may be accomplished in a variety of ways:

- Test administered within D2L

- Test administered in writing on paper
- Test administered through Publisher Platforms

Further more tests may have time limits and/or require a proctor.

Proctoring can be accomplished either face-to-face at an approved site or online through RPNOW, our online proctoring service. To find out more about proctoring services, please visit the [Online Testing](#) section of the HGTC's Testing Center webpage.

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 staff will review documentation of the student's disability and, in a confidential setting with the student, 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.

STATEMENT OF EQUAL OPPORTUNITY/NON-DISCRIMINATION STATEMENT:

Horry-Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, 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 educational programs and/or activities.

TITLE IX REQUIREMENTS:

All students (as well as other persons) at Horry-Georgetown Technical College are protected by Title IX—regardless of their sex, sexual orientation, gender identity, part- or full-time status, disability, race, or national origin—in all aspects of educational programs and activities. Any student, or other member of the college community, who believes that he/she is or has been a victim of sexual harassment or sexual violence may file a report with the college's Chief Student Services Officer, campus law enforcement, or with the college's Title IX Coordinator, or designee.

*Faculty and Staff are required to report incidents to the Title IX Coordinators 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).

INQUIRIES REGARDING THE NON-DISCRIMINATION/TITLE IX POLICIES:

Student and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs.

Dr. Melissa Batten, VP Student Affairs

Title IX Coordinator

Building 1100, Room 107A, Conway Campus

PO Box 261966, Conway, SC 29528-6066

843-349-5228

Melissa.Batten@hgtc.edu

Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources.

Jacquelyne Snyder, VP Human Resources

EEO and Title IX Coordinator

Building 200, Room 212A, Conway Campus

PO Box 261966, Conway, SC 29528-6066

843-349-5212

Jacquelyne.Snyder@hgtc.edu