



## INSTRUCTIONAL PACKAGE

DAT 121

Dental Health Education

201820

Spring/2019

# INSTRUCTIONAL PACKAGE

## Part I: Course Information

Effective Term: 201820

COURSE PREFIX: DAT 121

CONTACT HOURS: 2

COURSE TITLE: Dental Health Education

CREDIT HOURS: 2

### **RATIONALE FOR THE COURSE:**

This course introduces the Expanded Duty Dental Assistant to oral health and preventive techniques. They will also learn how to Communicate and understand patients from various cultural backgrounds. Gain a better understand of nutrition and how it impacts overall health.

### **COURSE DESCRIPTION:**

This course defines the responsibilities of the dental assistant in individual and community dental health education with emphasis on the etiology of dental disease, methods for prevention and principles of nutrition in relationship to oral health and preventive dentistry.

### **PREREQUISITES:**

DAT 113Dental Materials

DAT 118Dental Morphology

DAT 127Dental Radiology

DAT 154 Clinical Procedures I

DAT 174 Office Rotations

### **CO-REQUISITES:**

DAT 115 Ethics Professionalism

DAT 122 Dental Office Management

DAT 123 Oral Medicine/Oral Biology

DAT 174 Dental Office Rotations

DAT 183 Specialty Functions

### **REQUIRED MATERIALS:**

Please visit the Bookstore online site for most current textbook information. Use the direct link below to find textbooks.

[BOOKSTORE.](#)

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 student portal for course materials.  
WaveNet and D2L email access.

**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.

**Part II: Student Learning Outcomes**

Upon completion of DAT 121 Dental Health Education, the student will be able to demonstrate competency of the following:

1. Discuss and demonstrate the use of a variety of oral health aids.
2. Identify the appropriateness of an aid based on patient need, including aids relating to removable and permanently affixed dental appliances.
3. Explain the role of soft and hard deposits in the progression of dental and periodontal diseases.
4. Explain tobacco use, cessation, cessation initiatives, and relevance regarding dental health.
5. Identify and discuss oral abnormalities/variants which possibly reflect nutritional deficiencies and/or other such related nutritional health risks.
6. Discuss and demonstrate specialized oral health instruction as it relates to a patient's nutritional status and its relationship with the existing dental status by providing analysis of current dietary intake and recommended changes towards health.

**COURSE LEARNING OUTCOMES and ASSESSMENTS\*:****Module 1**

**Material Covered:** *Halstead & Phinney*, Ch. 2 Psychology, Communication, and Multicultural Interaction

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

**Objectives:**

1. Define psychology and paradigm.
2. Describe the components of the communication process.
4. Differentiate the terms used in verbal and nonverbal communication.
5. Demonstrate how the following body language is used in nonverbal communication behavior: spatial, posture, facial expression, gestures, and perception.
6. Discuss how Maslow's hierarchy of needs is used, and how it relates to communication in today's dental office.
7. Discuss how defense mechanisms can inhibit communication.
8. Identify and explain dental patient phobias and concerns.
9. Describe how the baby boomer generation may differ from generations X, Y, and Z.

**Module 2**

**Material Covered:** *Halstead & Phinney*, Ch. 4 Oral Health and Preventive Techniques

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

**Objectives:**

1. Describe how plaque forms and affects the tooth.
2. Identify oral hygiene tips that will aid each age group.
3. Identify the oral hygiene aids, including manual and automatic, available to all patients.
4. Demonstrate the six toothbrushing techniques.
5. Identify types of dental floss and demonstrate flossing technique.
6. Describe fluoride and its use in dentistry.
7. Define fluoridation and describe its effects on tooth development and the post-eruption stage.
8. List and explain the forms of fluoride. Describe how to prepare a patient and demonstrate a fluoride application.

**Module 3**

**Material Covered:** *Halstead & Phinney*, Ch. 31 (pg. 724-733) Periodontics

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

**Objectives:**

1. Describe the scope of periodontics.
2. Explain the role of soft and hard deposits in the progression of dental and periodontal diseases.
3. Identify members of the periodontal team and their roles.
4. Describe the stages of periodontal disease.
5. Explain the diagnostic procedures involved in the patient's first visit to the periodontal office.

**Module 4**

**Materials Covered:** *Sroda & Reinhard*, Ch. 1&2 Eating 101 & Carbohydrates

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

**Objectives:**

1. Describe the difference between a food habit and food craving.
2. Explain the relationship between portion distortion and obesity.
3. Outline the journey of food as it makes its way through the body.
4. Name both chemical and nutritive classifications of carbohydrates and how it is digested.
5. Discuss the difference between a monosaccharide, disaccharide, and polysaccharide.
6. Explain the digestion of carbohydrates in the body.
7. Describe maintenance of blood glucose level and outline the steps involved in reducing excess blood glucose and releasing glucose when the level is low.
8. Differentiate between an insoluble fiber and soluble fiber

**Module 5**

**Material Covered:** *Sroda & Reinhard*, Ch. 3 & 4 Protein & Lipids

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

**Objectives:**

1. Discuss the benefits of protein in the diet and how it effects the body.
2. Identify the essential and nonessential amino acids.
3. The primary role of lipids and phospholipids in the body.
4. Identify the three major categories of lipids.

5. Explain the process of hydrogenation and its relationship to trans fats.

### **Module 6**

**Materials Covered:** *Sroda & Reinhard*, Ch. 5 & 6 Vitamins & Minerals

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

#### **Objectives:**

1. Identify factors that distinguish between fat-soluble and water-soluble vitamins.
2. State the major functions of vitamins in the body.
3. Discuss the impact that medical conditions and medications can have on the absorption and effectiveness of vitamins.
4. State the five functions of minerals in the body.
5. Outline the digestive process of minerals and vitamins.

### **Module 7**

**Materials Covered:** *Sroda & Reinhard*, Ch. 9 Diet and Dental Caries

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

#### **Objectives:**

1. Discuss the caries process and factors that increase caries risk
2. Recognize oral symptoms of early childhood caries.
3. Name the bacterial most responsible for metabolizing carbohydrates and identify various acids created in the process.
4. Identify groups most at risk for dental caries

### **Module 8**

**Materials Covered:** *Sroda & Reinhard*, Ch. 10 Nutrition and Periodontal Disease

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

#### **Objectives:**

1. The link between obesity and periodontal disease
2. Explain the role of dental health care providers in addressing nutrition in the management of periodontal disease
3. Describe the proposed roles of micronutrients and macronutrients in periodontal disease.

### **Module 9**

**Materials Covered:** *Sroda & Reinhard*, Ch. 11 Choosing Foods for Health and Fitness

**Assessments:** Tests, Quizzes, Group Projects, Final Exam

#### **Objectives:**

1. Explain why the typical American diet is called S.A.D.
2. Understand the food choices that help prevent disease
3. Explain the U.S. Department of Agriculture's (USDA) MyPlate graphic and discuss key points in using it as a resource for healthy eating.
4. Explain tobacco use, cessation, cessation initiatives, and relevance regarding dental health.

***\*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

##### Lecture: **60% of the final grade**

Test	60%
Quizzes	30%
Final Exam	10%

##### Lab: **40% of the final grade**

Table Clinic/Paper	20%
Oral Health Education Presentation	20%

***\*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

\*Students must pass with a 77% or better to continue in the program.

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 ([ACADEMIC CALENDAR](#)). 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 eighty percent (80%) of his or her classes in order to be eligible to receive credit for any course. However, due to the varied nature of courses taught at the College, a more rigid attendance policy may be required by individual instructors.

At a minimum, a student may be withdrawn from a course(s) after he or she has been absent in excess of ten percent (10%) of the total contact hours for a course. **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 coaches** for most subject areas, **Writing Center Support**, and **college success skills**.
2. **On-line student success and academic support resources**.

Visit the SSTC website: [Student Success & Tutoring Center](#) and visit the student services tab in your WaveNet account to schedule appointments using TutorTrac. For more information, call: SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455.

Room locations and Live Chat is available on the SSTC website.



### Student Information Center: WaveNet Central (WNC)

WNC offers to all students the following **free** resources:

1. **Getting around HGTC**: General information and guidance for enrollment!
2. Use the [Online Resource Center \(ORC\)](#) for COMPASS support, technology education, and online tools.
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.

Visit the WNC website: [Wavenet Central](#). Live Chat and Center locations are posted on the website. Or please call one of the following locations: WNC Conway, 349-5182; WNC Grand Strand, 477-2076; and WNC Georgetown, 520-1473.

## Disability Services:

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to Jocelyn Williams, Director of Student Development on the Conway Campus Jaime Davis, Counselor/Advisor on the Georgetown Campus or Kristin Griffin, Counselor on the Grand Strand Campus. These individuals 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, gender, national or ethnic origin, age, religion, disability, marital status, veteran status, sexual orientation, gender identity, or pregnancy in educational programs and/or activities.

### ***Title IX Requirements***

Horry Georgetown Technical College prohibits the offenses of domestic violence, dating violence, sexual assault, and stalking. Any student who believe he or she has experienced or witnessed discrimination including sexual harassment, domestic violence, dating violence, sexual assault or stalking is encouraged to report such incidents to one of the College's Title IX Coordinators.

\*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).

<b>Inquiries regarding the non-discrimination policies:</b>	
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 Associate Vice President for Student Affairs.	Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Associate Vice President for Human Resources.
<b>Dr. Melissa Batten, AVP Student Affairs</b> <i>Title IX Coordinator</i> Building 1100, Room 107A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5228 <a href="mailto:Melissa.Batten@hgtc.edu">Melissa.Batten@hgtc.edu</a>	<b>Jacquelyne Snyder, AVP Human Resources</b> <i>Section 504, Title II, and Title IX Coordinator</i> Building 200, Room 212A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5212 <a href="mailto:Jacquelyne.Snyder@hgtc.edu">Jacquelyne.Snyder@hgtc.edu</a>