

**TRCC DENTAL HYGIENE PROGRAM  
DNT 105 COURSE OUTLINE**

<b>COURSE</b>	<b>Introduction to Dental Hygiene I</b>
<b>SEMESTER</b>	<b>Fall Semester 2012</b>
<b>CREDIT HOURS</b>	<b>1 Credit Hour</b>
<b>SCHEDULE AND LOCATION</b>	<b>Tuesdays 6:00pm-7:45pm TRCC Room E 204 SEE LECTURE DATES ON LECTURE SCHEDULE</b>
<b>COURSE INSTRUCTOR</b>  <b>CONTACT INFORMATION</b>	<b>Susan P. Kane, RDH, MS, LCSW</b> <b>Office hours:</b> By appointment or prior to class <b>Phone:</b> (860)908-7338 and leave a message if you are unable to attend class. <b>Email:</b> SKane@trcc.commnet.edu
<b>COURSE TEXTBOOK</b>	<b>Bird D. and Robinson D. (2012). <i>Torres and Ehrlich Modern Dental Assisting</i> (Tenth Edition). St. Louis: Saunders Elsevier.</b>
<b>LEARNING RESOURCES</b>	<ul style="list-style-type: none"> <li>• Student workbook</li> <li>• Interactive dental office CD ROM</li> <li>• Evolve Web site resources</li> <li>• Web Site: <a href="http://evolve.elsevier.com">http://evolve.elsevier.com</a></li> </ul>
<b>LIBRARY RESOURCES</b>	<ul style="list-style-type: none"> <li>• Students will utilize the library to consult books and other resource materials for assignments.</li> </ul>

**COURSE DESCRIPTION**

This course is designed to provide entry level dental hygiene students with an introduction to allied health education and to the profession of dental hygiene.

**COURSE OBJECTIVES**

At the completion of the DNT 105 course, the student will be able to:

1. Value the role of the dental hygienist in the healthcare team.
2. Understand the evolution and history of the profession of dental hygiene.
3. Comprehend the educational background required for various members of the dental healthcare team.
4. Recognize potential career opportunities with the Associate and/or Bachelor of Science Degrees in Dental Hygiene.
5. Appreciate the role of the professional dental hygiene association.
6. Utilize professional and scientific terminology and nomenclature when describing the basic structures of the body, head and extra- and intra oral cavity.

7. Understand the initiation of gingival diseases.
8. Understand the process of dental caries.
9. Demonstrate the ability to maintain a healthy oral cavity.
10. Value personal oral health care habits.
11. Utilize professional written communication skills when completing class assignments.
12. Understand the academic policies of the UNH Dental Hygiene Program.

## **INTRODUCTION TO DENTAL HYGIENE I LEARNING OUTCOMES**

On completion of the *Introduction to Dental Hygiene I* course, the student dental hygienist will be able to achieve the following objectives:

### **Understand the role of the dental hygienist.**

- Define dental hygiene.
- List and define the sequence of the dental hygiene process of care.
- Explain how one obtains licensure in CT.
- Examine the role of the ADA, Commission on Dental Accreditation.

### **Chapter 1**

#### **Understand the evolution and history of the profession of dental hygiene.**

- Describe the professional environment and oral health needs that led to the development of an educational program for dental hygienists.
- Identify the individuals involved in the development of the profession of dental hygiene.
- Identify major landmarks in the history of the profession of dental hygiene.
- Discuss how dental hygiene programs have evolved since 1913.

### **Chapter 3**

#### **Value the role of the dental hygienist in the health care delivery system.**

- Name the members of the dental health care team and describe their roles.
- Identify the minimal educational requirements for each member of the dental healthcare team.
- Describe the supportive services provided by other members of the dental healthcare team.
- Discuss potential/future career opportunities for dental hygienist.
- Relate a personal vision for her/his career as a dental hygienist.
- Identify the differences in the educational preparation for the dentist, dental hygienist, dental assistant, dental receptionist/office manager, and dental laboratory technician.
- Distinguish between basic job descriptions for each of the members of the dental healthcare team described above.
- Describe career opportunities available to dental hygienist with various levels of education, experience, and career goals.
- Identify the various professional organizations that represent dental hygienists nationally and internationally.
- Differentiate between the component, constituent, and national levels of the American Dental Hygienists' Association.
- Identify how the Student American Dental Hygienists' relates to ADHA.
- Identify how professional organizations function to provide support for health care workers.

## **Chapter 6**

### **General Anatomy**

- Define the terms: planes and body directions.
- Identify the planes and body directions used to divide the body into sections.
- List examples of planes and body directions.

## **Chapter 8**

### **Oral Embryology and Histology**

- Identify and describe the tissues / layers of the tooth.
- Identify and describe the components of the periodontium.
- Describe the various types of oral mucosa and give an example of each.

## **Chapter 9**

### **Head and Neck Anatomy**

- Identify the regions of the head.
- Identify the bones of the cranium and face.
- Define TMJ.
- Describe the action of the joint.
- Identify and describe the function of the location of the major and minor salivary glands.

## **Chapter 10**

### **Landmarks of the Face and Oral Cavity**

- Name and identify the landmarks of the face.
- Name and identify the landmarks of the oral cavity.
- Describe the structures found in the vestibular region of the oral cavity.
- Describe the area of the oral cavity proper.
- Describe the characteristics of normal gingival tissue.
- Match each sensation of taste to the specific region of the tongue.

## **Chapter 11**

### **Overview of the /Dentition**

- Name and identify the location of each of the tooth surfaces.
- Define the terminology used in identifying the landmarks of the teeth.
- Explain the differences between primary, mixed, and permanent dentitions.
- Designate teeth using the Universal system.

## **Chapter 12**

### **Tooth Morphology**

- Identify each tooth using the correct terms and Universal systems code numbers.
- Demonstrate knowledge of the location of each permanent tooth.
- Use the correct terminology when discussing features of the permanent dentition.

## **Chapter 13**

### **Dental Caries**

- Explain the process of dental caries.
- Name the risk factors for dental caries.
- Identify the infective agent in the caries process.
- Explain the role of saliva in oral health.
- Discuss the relationship between diet and dental caries.
- Distinguish between root caries and smooth surface caries.

## **Chapter 14**

### **Understand the role of plaque in the initiation of periodontal disease.**

- Identify and describe the two main types of periodontal diseases.
- Explain the significance of plaque and calculus in relation to periodontal diseases.
- Identify the causes of gingivitis and periodontitis.

## **Chapter 14**

### **Understand the role of tooth deposits (Tooth accumulated materials--TAM) in the initiation of oral diseases.**

- Define acquired pellicle, food debris, materia alba, dental plaque (biofilm) and dental calculus
- Distinguish between acquired pellicle, materia alba, bacterial plaque, calculus, and stain based on clinical location, method of formation and means for removal.
- Differentiate between the principal methods for preventing the formation of each of the tooth deposits described above.
- Describe the basic disease-producing capability of each of the tooth deposits described above.

## **Chapter 15**

### **Understand the Role of Preventive Dentistry**

- Explain the goal of preventive dentistry.
- Identify sources of systemic fluoride.
- Describe the benefits of systemic and topical fluoride.
- Assist patients in understanding the benefits of preventive dentistry.
- Discuss techniques for educating patients in preventive care.
- Describe the Modified Bass method of tooth brushing.
- Describe the technique of flossing.
- Describe the process for cleaning a denture.

### **ADDITIONAL COURSE OBJECTIVES:**

#### **Develop a plan for personal oral self-care.**

- Identify the basic mechanical devices available to disrupt plaque colonies.
- Outline the Modified Tooth brushing technique for thorough personal oral self-care, including flossing.
- Develop a schedule to integrate oral self-care techniques into his/her personal life.
- Describe personal oral hygiene regime in a written oral self-care plan.

#### **Demonstrate the ability to maintain a healthy oral cavity.**

- Integrate personal oral self-care plan into a daily routine.
- Demonstrate the ability to effectively disrupt plaque on a daily basis.
- Document plaque removal and visible changes in oral tissues as a result of plaque removal.

#### **Value personal oral health care habits.**

- Demonstrate the routine utilization of oral self-care techniques.
- Convey to peers, faculty and potential patients the role that oral self-care plays in overall oral and personal health.

#### **Utilize professional written communication skills when completing class assignments and scientific terminology and nomenclature when conversing with healthcare professionals.**

- Utilize dental hygiene textbooks, the Internet (websites) or a medical dictionary to define scientific/professional terms.
- Define professional terms encountered in the classroom and in reading assignments.

- Integrate professional terminology into discussions with peers and faculty.
- Submit classroom assignments that have been prepared on a computer; submit assignments that are professional in appearance and have been “checked” for spelling and grammar errors.
- Describe your dental hygiene appointment at UNH Dental Clinic/dental office to assist with the integration of professional terms encountered in the classroom; and submit a written summary of that dental hygiene experience using the specified outline.

**Understand the academic policies of the UNH Dental Hygiene Program.**

- Read and describe the academic policies and procedures documented in the UNH Dental Hygiene Program Resource Manual, specific to entry into the sophomore clinical sequence.

**LECTURE EVALUATION PROCEDURES**

A passing grade of **75%** must be earned in this course in order to continue on in the program course sequence. The lecture grade for DNT 105 will be based on the following assignments and evaluations:

<b>30%</b>	<b>Final Examination</b>
<b>25%</b>	<b>Midterm Examination</b>
<b>10%</b>	Written Summary of Dental Hygiene Appointment
<b>10%</b>	3 Quizzes
<b>10%</b>	Anatomical Drawing of a Molar Tooth Surrounded by the Periodontium
<b>10%</b>	Journal Assignment
<b><u>5%</u></b>	Class Participation
<b>100%</b>	

## LECTURE ATTENDANCE POLICY

Class attendance policy adheres to the *Three Rivers Community College Undergraduate Catalog 2012-2013* policy on Attendance; should a student be unable to attend a class, please leave a message at (860)908-7338. Tardiness to lecture is unacceptable and deemed unprofessional. Students are expected to attend all lectures.

## ABSENTEE POLICY FOR LECTURE TESTING

If a student is absent for a quiz or a test they must provide a medical excuse. If a make-up exam or quiz is to be rescheduled due to a medical excuse it will be rescheduled at the faculty's discretion. The make-up exam or quiz will be in an essay form.

## COMPLETION OF ASSIGNMENTS

All written assignments are to computer generated: **spelling, punctuation, grammar, style and contents will be evaluated** on **all** assignments. Assignments with multiple pages are to be numbered and stapled, including a title page, prior to being submitted. When an assignment is late, the final grade will be a **zero**.

## STUDENTS WITH DISABILITIES

If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider ( DSP) by calling (860)383-5217. **Please note:** 1). For academic adjustments, you will have to provide documentation of your disability to the DSP. 2). *Instructors cannot provide adjustments until you have delivered written authorization (from a DSP) to the instructor.* 3). Adjustments take effect **when** you deliver your written authorization to the instructor in person (provided there is adequate time for the instructor to make necessary arrangements), 4). *Adjustments do not apply to tests/assignments that were due prior to your delivering written authorization to your instructor in person.*

All due dates are listed in the lecture schedule portion of the class syllabus.

## ACADEMIC INTEGRITY

Students participating in DNT 105 are expected to complete and submit their own work in accordance with the published Academic Integrity policy for TRCC. "Academic integrity is essential to a useful education. Failure to act with academic integrity severely limits a person's ability to succeed in the classroom and beyond. Furthermore, academic dishonesty erodes the legitimacy of every degree awarded by the College. In this class an in the course of your academic career, present only your own best work; clearly document the sources of the material you use from others; and act at all times with honor."

*Please note that the course lecture schedule is tentative and subject to change per the course instructor*

**DNT 105  
LECTURE SCHEDULE 2012**

DATE	TOPICS AND LEARNING ACTIVITES	READINGS-VIDEO
8/28/12 Lecture 1	<ul style="list-style-type: none"> <li>• Introduction to DNT 105</li> <li>• The Profession of Dental Hygiene</li> <li>• Roles and Functions of a Dental Hygienist</li> <li>• The History of Dental Hygiene</li> </ul>	<b>Chapter 3</b> <b>Chapter 1</b>
9/11/12 Lecture 2	<ul style="list-style-type: none"> <li>• The Roles and Responsibilities of the Dental Team</li> <li>• The Role of the American Dental Hygienists' Association</li> <li>• Licensure for the Dental Hygienist</li> <li>• Roles and Functions of a Professional Dental Hygienist</li> <li>• General Anatomy: Body Directions and Planes</li> <li>• Oral Histology</li> <li>• Overview of the Dentitions</li> <li>• <b>Homework Assignment Due</b></li> </ul>	<b>Chapter 1</b> <b>Chapter 6 (pgs. 46-48)</b> <b>Chapter 8</b> <b>Chapter 10</b> <b>Search the Internet for information to complete the assignment: The Roles and Responsibilities of the Dental Team</b>
9/25/12 Lecture 3	<ul style="list-style-type: none"> <li>• Overview of the The Dentitions (continued)</li> <li>• Tooth Morphology</li> <li>• Head and Neck Anatomy</li> <li>• <b>QUIZ # 1</b></li> <li>• <b>Journal Due</b></li> </ul>	<b>Chapter 11</b> <b>Chapter 12</b> <b>Chapter 9</b>
10/16/12 Lecture 4	<ul style="list-style-type: none"> <li>• <b>MIDTERM EXAM</b></li> <li>• Landmarks of the Face and Oral Cavity</li> </ul>	<b>Chapter 10</b>
10/30/12 Lecture 5	<ul style="list-style-type: none"> <li>• Periodontal Disease: Tooth Accumulated Deposits</li> </ul>	<b>Chapter 14</b>
11/13/12 Lecture 6	<ul style="list-style-type: none"> <li>• Structures of the Periodontium</li> <li>• Periodontal Health and Disease</li> <li>• <b>QUIZ # 2</b></li> </ul>	<b>Chapter 8 (pgs. 98-103)</b> <b>Chapter 14</b>
11/27/12 Lecture 7	<ul style="list-style-type: none"> <li>• Periodontal Health and Disease (continued)</li> <li>• Dental Caries</li> <li>• <b>Anatomical Drawing of a Molar Tooth Surrounded by the Periodontium Due</b></li> </ul>	<b>Chapter 14</b> <b>Chapter 13</b>
12/11/12 Lecture 8	<ul style="list-style-type: none"> <li>• Preventive Dentistry</li> <li>• Oral Self Care Assessment/Techniques</li> <li>• <b>QUIZ # 3</b></li> <li>• <b>Written Summary of Dental Hygiene Appointment Due</b></li> </ul>	<b>Chapter 15</b>
	<ul style="list-style-type: none"> <li>• <b>FINAL EXAM</b></li> </ul>	

The course lecture schedule is tentative and subject to change per the course instructor.