

**THREE RIVERS COMMUNITY COLLEGE  
PRE-DENTAL HYGIENE PROGRAM  
DNT 106 COURSE OUTLINE**

<b>COURSE</b>	<b>Introduction to Dental Hygiene II</b>
<b>SEMESTER</b>	Spring Semester 2012
<b>CREDIT HOURS</b>	1 Credit Hour
<b>SCHEDULE</b>	Lecture: Thursdays 6:00 – 7:45 P.M. (see class schedule for lecture dates)
<b>COURSE INSTRUCTOR</b>	<b>Carol Osora, RDH, MPH</b> Office hours: By Appointment
<b>CONTACT INFORMATION</b>	<b>Phone:</b> (860) 464-9639 <b>E-mail address:</b> c-osora@sbcglobal.net
<b>COURSE TEXTBOOK</b>	<u>Modern Dental Assisting</u> 9 <sup>th</sup> Edition: Torres and Ehrlich. W. B. Saunders
<b>LEARNING RESOURCES</b>	<ul style="list-style-type: none"><li>• Internet</li><li>• Students will utilize the library to consult books and other resource materials.</li></ul>

**COURSE DESCRIPTION**

This course provides students with a survey of contemporary issues encountered by dental health care professionals. Emphasis is placed on professional standards, health promotion, disease prevention, and ethical issues that are encountered by dental hygienists.

**COURSE OBJECTIVES**

**At the completion of Introduction of Dental Hygiene II, the student will be able to:**

1. Understand the academic policies of the UNH Dental Hygiene Program.
2. Value the role of dental hygienists in the health care delivery system.
3. Develop a plan for and value personal oral self-care.
4. Demonstrate the ability to maintain a healthy oral cavity.
5. Utilize professional written communication skills when completing class assignments.
6. Discuss ethical and legal aspects of dentistry.
7. Describe deviations from normal and recognize oral pathology in the oral cavity.
8. Explain the importance of oral diagnosis.
9. Explain why the study of microbiology (bacteria, viruses and fungi) is important in the prevention of the disease transmission process in the dental environment.

10. Value the goals of an infection control program in the dental environment.
11. Describe the UNH Dental Center patient record.
12. Describe the environment/equipment of the UNH Dental Center.
13. Describe how to prepare for a dental hygiene treatment appointment using the appropriate instrument tray setup.

## **INSTRUCTIONAL OBJECTIVES**

After participating in Introduction to Dental Hygiene II course, the student will be able to:

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

- Utilize dental hygiene textbooks 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/word processor, that are professional in appearance, and have been “checked” for spelling and grammar.
- Utilize the freshman dental hygiene appointment at UNH Dental Center to assist in the integration of professional terms encountered in the classroom.

### **Preventive Dentistry**

- 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.
- Identify and demonstrate the use of interdental aids: stimulents, floss and interdental brushes.

### **Dental Specialties**

- Describe the dental specialties: restorative, periodontics, pediatric, and oral surgery.

### **Structures of the Head and Oral Cavity**

- Define all terms presented in this chapter.
- Describe the tissues of a tooth, and explain the composition of each.
- Explain the functions of the periodontal membranes.
- Identify the landmarks of the face and the oral cavity.
- Describe the appearance of normal gingiva.

### **Oral Pathology**

- Define and pronounce all terms related to oral pathology.
- Describe the cardinal signs of inflammation.
- Describe four types of oral lesions.
- Describe oral lesions extending below the surface, extending above the surface and lesions that are flat or even with the surface.

### **Microbiology and Disease Transmission**

- Explain why the study of microbiology is important for the dental assistant.
- Identify the types of bacteria according to their shape.
- Explain the differences between aerobes and anaerobes.

- Identify the most resistant form of life known, and explain how they survive.
- Compare viruses with bacteria and give examples of each...
- Name the three factors that influence the ability of a pathogen to cause disease.
- Name five methods of disease transmission in the dental setting, and give an example of each.
- Explain the differences between nosocomial infections, opportunistic infections, and autogenous infections.
- Identify the factors that influence a patient's resistance to infection.
- Name the bloodborne infections that are a major concern to dental health-care workers, and describe the methods to prevent transmission in the dental setting.

### **Infection Control in Dentistry**

- Explain the three goals of an infection control program.
- Define the term *universal precautions*.
- Explain the requirements for protective clothing, masks, eyewear, and gloves.
- Describe the indications for hepatitis B virus immunization.
- Describe and demonstrate the proper methods of hand washing.
- Describe and demonstrate the disposal of sharps.
- Describe the types of dental office waste and the management of each.

### **Disinfection and Sterilization**

- Explain the differences between *disinfection* and *sterilization*, and give the indications for each.
- Explain the differences between a disinfectant and an antiseptic.
- Name the government agency that is responsible for registering disinfectants and sterilants.
- Give examples of a critical, semi critical, and noncritical item used in dentistry.
- Explain the indications and limitations for the use of a chemical sterilants.
- Identify chemical products commonly used for intermediate-and low-level surface disinfection, and explain the advantages and disadvantages of each one.
- Demonstrate the process of cleaning and disinfecting a treatment room.
- Demonstrate the process of precleaning contaminated dental instruments.
- Demonstrate the process of preparing instruments for sterilization in an autoclave or a chemiclave.

### **Ethical and Legal Aspects of Dentistry**

- Explain the difference between *ethical* and *legal* considerations.
- Explain the purpose of a code of ethics.
- Discuss the guidelines for solving an ethical dilemma.
- Explain the purpose of licensure.
- List the elements required for a tort claim.
- Explain the difference between implied consent and expressed consent.

### **Delivery of Dental Treatment**

- Describe the design of a dental treatment room.
- List the types of dental equipment in a dental treatment room and their function.
- List the three types of dental delivery systems.
- Describe how to prepare a dental treatment room for patient treatment.
- Describe the positioning of the patient.

### **Dental Instruments and Accessories**

- Describe the three parts of a dental hand instrument.
- Describe the use of present trays and tubs in dentistry.
- List what is in the basic setup and what is in the dental hygiene appointment setup.
- Describe the low-speed hand piece and its use in dentistry.
- Describe the attachments used on the low-speed hand piece.
- Describe a high-speed hand piece and its use.

### **Oral Diagnosis and Treatment Planning**

- Describe the components of a dental hygiene examination.
- List what should be recorded during clinical observations.
- Discuss the charting system at the UNH Dental Center.

### **Restorative and Esthetic Dental Materials**

- Define terms presented.
- Identify and describe dental restorative materials presented: amalgam, composite, porcelain.
- Identify an implant in the oral cavity and on a radiograph.
- Describe an implant and its use.
- Identify and describe a partial and full denture.

### **Communication in the Dental Office**

- Identify patient needs.
- Discuss oral communications, and identify the differences between verbal and nonverbal communications.
- Discuss stress in the dental practice.

## **LECTURE EVALUATION PROCEDURES**

A student must earn a passing grade of **75%** in this course. The lecture grade for **Introduction of Dental Hygiene II** will be based on the following assignments and evaluations:

<b>15%</b>	Exam 1
<b>15%</b>	Exam 2
<b>15%</b>	Exam 3
<b>20%</b>	Final Exam
<b>20%</b>	Written Course Assignment
<b>10%</b>	Quizzes
<b>5%</b>	Class Attendance/Participation

## **ABSENTEE POLICY FOR LECTURE TESTING**

If a student is absent for a test or quiz, they must make arrangements agreed upon by the course instructor to take a make-up exam within a two-week period.

## **LECTURE ATTENDANCE POLICY**

Class attendance policy adheres to the TRCC Undergraduate Catalog policy on Attendance; should a student be unable to attend a class, please leave a message at (860) 464-9639. Tardiness to lecture is unacceptable and deemed unprofessional. Students are expected to attend all lectures.

## **COMPLETION OF ASSIGNMENTS**

All written assignments are to be prepared on computer/word processor: spelling, punctuation and grammar will be evaluated as a portion of the grade earned on all assignments. Assignments with multiple pages are to be numbered and stapled prior to submission. Professional presentation includes a cover page with the title of the course, assignment title, student's name, date, and instructor's name. Assignments are due on the dates noted in the lectures; assignments will not be accepted beyond the due date, thus, the assignment will earn a zero.

**DNT 110 Introduction to Dental Hygiene II**  
**CLASS SCHEDULE—Spring Semester 2009**

DATE	LECTURE TOPICS	READINGS
1/19/12	<ul style="list-style-type: none"> <li>Course Orientation</li> <li>Explore the Dental Specialties</li> <li>Plaque Control: Home Care Techniques Using Interdental Aids</li> <li><b>Hands-on Activity:</b> <u>Demonstrate Tooth Brushing (Modified Bass Technique); Demonstrate the Use of Interdental Aids</u></li> <li>Review of Extra and Intra Oral Structures</li> <li>Oral Diagnosis</li> <li>Introduction to Oral Pathology</li> </ul>	<b>Chapter 15</b> <b>Chapter 54 (pg. 858)</b> <b>Chapter 55 (pg. 875)</b> <b>Chapter 56 (pg. 898)</b> <b>Chapter 57 (pgs. 934-938)</b> <b>Chapter 60 (pgs. 920-926)</b>
2/09/12	<ul style="list-style-type: none"> <li><b>Activity:</b> <u>Identification and location of Oral Pathology</u></li> <li>Microbiology</li> <li>Disease Transmission and Infection Control</li> <li><b>Quiz 1</b></li> </ul>	<b>Chapters 18, 19</b>
□2/23/12	<ul style="list-style-type: none"> <li>Disease Transmission and Infection Control (continued)</li> <li><b>Activity:</b> <u>Demonstration of Personal Protective Equipment</u></li> <li><b>Exam 1</b></li> </ul>	
□3/08/12	<ul style="list-style-type: none"> <li>Principles and Techniques of Disinfection</li> <li>Principles and Techniques of Sterilization</li> <li><b>“Diseases effecting Dental/Dental Hygiene Treatment” due</b></li> </ul>	<b>Chapters 20, 21</b>
3/29/12	<ul style="list-style-type: none"> <li>Principles and Techniques of Sterilization (continued)</li> <li><b>Activity:</b> <u>Tour of the UNH Dental Center: Central Sterilization—Central Supply</u></li> <li><b>Activity:</b> Identification of the Dental Treatment Equipment in the Dental Office</li> <li><b>Quiz 2</b></li> </ul>	<b>Chapter 32</b>
4/12/12	<ul style="list-style-type: none"> <li>Dental Ethics</li> <li>Communication in the Dental Office</li> <li><b>EXAM 2</b></li> </ul>	<b>Chapters 4, 61</b>
4/26/12	<ul style="list-style-type: none"> <li>Introduction to Patient Dental Record</li> <li><b>Activity:</b> <u>Introduction to UNH Dental Center Patient Dental Record</u></li> <li>Introduction to Dental and Dental Hygiene Treatment and Instruments</li> <li><b>Hands-on activity:</b> Identification of Dental Hygiene Instruments</li> </ul>	<b>Chapter 34 (pgs. 497-500)</b> <b>Chapter 55 (pgs. 878-883)</b>
5/03/12	<ul style="list-style-type: none"> <li>Introduction to Restorative Materials and Prosthetics</li> <li><b>Activity:</b> <u>Guest Lecturers TBA</u></li> <li><b>Exam 3</b></li> </ul>	<b>Chapter 26</b> <b>Chapter 43 (pgs. 688- 697)</b> <b>Chapter 48 (pgs. 774-775)</b> <b>Chapter 50 (pgs. 806-810)</b> <b>Chapter 52 (pgs. 832-840)</b> <b>Chapter 53</b>
5/10/12	<b>FINAL EXAM</b>	

Course schedule, lecture dates and topics are tentative and subject to change.