

**THREE RIVERS COMMUNITY COLLEGE
PRE-DENTAL HYGIENE PROGRAM**

DNT 105 COURSE OUTLINE

COURSE Introduction to Dental Hygiene I

SEMESTER Fall Semester 2005

CREDIT HOURS 1 Credit Hour

SCHEDULE THURSDAYS 6:00 pm - 8:00 pm
See dates on lecture schedule

COURSE LECTURER Carol D. Osora, RDH, MPH
Office hours: prior to class

CONTACT INFORMATION Phone: (860) 464-9639
Email: c-osora@sbcglobal.net

COURSE TEXTBOOK Modern Dental Assisting 8th Edition: Torres and Ehrlich. W. B. Saunders

LEARNING RESOURCES

- TRCC / UNH Library
- Videos
- Internet

LIBRARY RESOURCES

- Students will utilize the library to consult books and other resource materials.

COURSE DESCRIPTION

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

COURSE OBJECTIVES

At the completion of DH 105 the student will:

1. Value the role of dental hygienists in the health care delivery system.
2. Understand the evolution and history of the profession of dental hygiene.
3. Comprehend the educational background required for various members of the dental health team.
4. Recognize potential career opportunities for both Associates and Bachelor of Science Degree dental hygienists.
5. Appreciate the role of the professional dental hygiene/dental associations.
6. Utilize professional and scientific terminology and nomenclature when describing the basic structures of the oral cavity.
7. Understand the role of tooth accumulated materials in the initiation of oral diseases.
8. Develop a plan for personal oral self-care.

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.

DNT 105
Introduction to Dental Hygiene I
SPECIFIC INSTRUCTIONAL OBJECTIVES

After participating in Dental Hygiene 105-Introduction to Dental Hygiene I, the student dental hygienist will:

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.

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 dental hygienists 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 health team.
- Describe the supportive services provided by other members of the dental health 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 health 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
- List examples of planes and body directions

Chapter 8

Oral Embryology and Histology

- Identify and describe the tissues / layers of the teeth.
- Identify and describe the components / tissues of the periodontium.

Chapter 9

Head and Neck Anatomy

- Identify the regions of the head.
- Identify the bones of the cranium and face.
- Locate and identify the muscles of the head and neck.
- Describe the action of the temporomandibular 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-accumulated materials (TAM) in the initiation of oral diseases.

- Define materia alba, dental plaque and dental calculus
- Distinguish between 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 TAMs described above.
- Describe the basic disease-producing capability of each of the TAMs described above.

Chapter 15

Understand the Role of Preventive Dentistry

- Explain the goal of preventive dentistry.
- Identify sources of systemic fluoride.
- Assist patients in understanding the benefits of preventive dentistry.
- Discuss techniques for educating patients in preventive care.
- Compare and contrast the methods of tooth brushing.
- 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 health professionals.

- Utilize dental hygiene textbooks, the Internet (valid 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/word processor, 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 to 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.

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:

- 25%** Final Examination
- 20%** Midterm Examination
- 20%** Journals
- 10%** Written Summary of Dental Hygiene Appointment
- 10%** Quizzes
- 10%** Anatomical Drawing of a Molar Tooth Surrounded by the Periodontium
- 5%** Class Attendance/Participation

ABSENTEE POLICY FOR LECTURE TESTING

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

LECTURE ATTENDANCE POLICY

Class attendance policy adheres to the *Three Rivers Community College 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 computer generated: 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 being submitted. Journal assignments are to be reviewed at the Writing Lab and signed by the designated assistant. When the assignment is late, the final grade will be a **zero**. See due dates for the assignments on the lecture schedule.

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

TRCC Pre-Dental Hygiene Program

Introduction to Dental Hygiene

Anatomical Drawing of a Molar Tooth Surrounded By the Periodontium Assignment

GOAL: To draw a tooth that includes the tooth layers, surrounded by the periodontium

OBJECTIVES / POINTS TO BE ASSIGNED:

<u>OBJECTIVES:</u> The student will be able to	<u>POINTS</u>
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- | | |
|---|-------------------|
| • Draw the tissues / structure of the tooth | /20 |
| • Label the tissues of the tooth in the drawing | /05 |
| • Describe the tissues of the tooth | /20 |
| • Draw the components of the periodontium | /10 |
| • Label components of the periodontium in the drawing | /10 |
| • Describe the components of the periodontium | /20 |
| • Neatness, creativity, and accuracy | /15 |
| • Works cited | <u> </u> /05 |

/100

**DNT 105
LECTURE SCHEDULE**

DATE	TOPICS AND LEARNING ACTIVITIES	READINGS-VIDEOS
9/1/05 lecture 1	<ul style="list-style-type: none"> • Introduction to DNT 105 • The Profession of Dental Hygiene • Roles and Functions of a Dental Hygienist • The History of Dental Hygiene 	Chapter 3
9/15/05 lecture 2	<ul style="list-style-type: none"> • The Roles and Responsibilities of the Dental Team • The Role of the American Dental Hygienists' Association • Licensure for the Dental Hygienist • Roles and Functions of a Professional Dental Hygienist • General Anatomy: Body Directions and Planes • Oral Histology • Overview of the Dentitions • Homework Assignment Due 	Search the Internet: <ol style="list-style-type: none"> 1. Career Information 2. Licensure Information 3. Connecticut Dental Hygienists' Association Practice Act www.dcp.state.ct.us Chapter 6 (pgs. 46-48) Chapter 8 (pgs. 91-102) Chapter 11 (pgs. 140-147)
9/29/05 lecture 3	<ul style="list-style-type: none"> • Overview of the Dentitions (continued) • Tooth Morphology • Head and Neck Anatomy • Quiz • Journals 1-3 Due 	Chapter 11 (pgs. 140-147) Chapter 12 Chapter 9 (pgs. 103-111)
10/13/05 lecture 4	<ul style="list-style-type: none"> • MIDTERM • Landmarks of the Face and Oral Cavity 	STUDY!!! Chapter 10 Chapters 9 (pgs. 121-122)
10/27/05 lecture 5	<ul style="list-style-type: none"> • Periodontal Disease: Tooth Accumulated Deposits 	Chapter 14 (pgs. 188-191) Internet/Library
11/10/04 lecture 6	<ul style="list-style-type: none"> • Structures of the Periodontium • Periodontal Health and Disease • Quiz 	Chapter 8 (pgs. 97-100) Chapter 14
11/17/05 lecture 7	<ul style="list-style-type: none"> • Periodontal Health and Disease (continued) • Dental Caries • Anatomical Drawing of a Molar Tooth Surrounded by the Periodontium Due 	Chapter 14 Chapter 13
12/1/05 lecture 8	<ul style="list-style-type: none"> • Preventive Dentistry • Oral Self Care Assessment / Techniques • Quiz • Written Summary of Dental Hygiene Appointment 	Chapter 15 (pgs. 197-213)
12/15/05	FINAL EXAM <ul style="list-style-type: none"> • Journals 4-7 Due 	STUDY!!!

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

Introduction to Dental Hygiene I
UNH Dental Center/Dental Office -- Patient Appointment Experience

GOAL: To make an appointment and become a patient at the UNH Dental Center or at a dental office and receive a prophylaxis/dental cleaning. If you are unable to do the former, then please observe a prophylaxis appointment at a dental office.

OBJECTIVES:

A. Instructions and Expectations at the UNH Dental Center:

1. Phone or visit the UNH Dental Center (931-6028) or make an appointment at your dental office
2. Introduce your self to Mary or Nancy at the Dental Center.
3. Mary or Nancy will make an appointment for you with a Junior-level student (Tuesdays and Thursdays: 9:00 AM appointment or 1:30 PM appointment).
4. Expect to complete your appointment within several visits.
5. Please keep all appointments unless you encounter a personal emergency.
6. During your first appointment, please introduce yourself to your student dental hygienist and to the Junior clinic faculty (If a dentist is scheduled during any of your visits, please introduce yourself to them.).
 - Junior-level Clinic Instructor and FTF: Renee Prajer, RDH, MS
 - Junior-level Clinic Instructor and FTF: Gwen Grosso, RDH, MS
 - Junior-level Clinic Instructor: Lori Raincuso, RDH, BA
 - Junior-level Radiology Instructor: Carmel DiLeone, RDH, MS
7. Once you become a patient, please feel free to ask questions during your appointments.

B. Document the Following:

1. Briefly describe your expectations prior to your appointment.
2. Document **two or three positive findings** utilizing the following format; if no positive findings exist please indicate so:
 - health history (all information will be maintained confidential)
 - dental history
 - extra and intraoral exam
 - dentition/teeth
 - gingival/gum exam
 - periodontal exam
 - accretions (plaque, stain, calculus)
 - debridement (cleaning)
 - patient education
 - fluoride treatment
 - need for additional dental appointment(s)
3. While keeping a journal of your appointments, briefly describe your reactions to the: environment, faculty, dentist(s), and student dental hygienist, etc. Please be professional while describing the former.

C. Presentation of the Paper:

1. The paper should contain a title page: title of the course, title of the paper, student's name, instructor's name, date.
2. The paper should be word processed, double spaced, and answer questions # 1-3.
3. Grammar, spelling, punctuation will be graded as well as the delivery of content.
4. Good luck and please contact me if you need my assistance (931-6025).

TRCC Pre-Dental Hygiene Program

Introduction to Dental Hygiene I

Name:

Date:

Journal #1

Please respond to the following questions:

1. What are your perceptions thus far of the fall semester at UNH?
2. What are your perceptions thus far about the DH 105 course?

Journal #2

1. What did you learn in class and through your research about the history of the dental hygiene profession?
2. Why is it important to learn about the history of your chosen profession?
3. Briefly describe two ways in which the courses that are you currently taking will assist you in becoming a competent, health care professional.

Journal #3

Please respond to the following questions:

1. In class we discussed the interrelated roles that dental hygienists may pursue. Besides the clinical role, which role would you be interested in pursuing? Why?
2. How do professional associations like the ADHA assist to advance a profession? (Go to www.ADHA.org to gather information.)
3. Since you have completed one third of the fall semester, I assume you are confronting challenges, academically and/or personally, that are interfering with your learning? Identify a challenge and develop a plan to address this challenge. (If I can be of assistance, please do not hesitate to contact me.) Use the following framework to assist you in confronting and overcoming your challenge.
 - Assess: Document objective and subjective data.
 - Diagnose: Identify the problems.
 - Plan: Formulate a step by step process to assist in overcoming the challenge.
 - Implement: How to put the plan into action?
 - Evaluate: Did the plan work / address the challenge?

TRCC Pre-Dental Hygiene Program

Introduction to Dental Hygiene I

Name:

Date:

Please respond to the following questions:

Journal #4

1. It is midterm time, what have you learned so far this semester regarding the following:
 - Time management for course preparation, assignments and tests.
 - The amount of study time required for the science and non-science courses.
 - How the courses you are taking relate to the profession of dental hygiene?
 - How has the Office of Academic Services, the Writing/Math lab and/or other UNH services assisted you with your academics?
2. State two reasons why you have enjoyed the study of dental terminology and the oral cavity?
3. What did you learn in class about tooth accumulated materials (TAM) that you were unaware of prior to lecture?

Journal #5

3. What did you learn in class about gingival health and gingival diseases that you were unaware of prior to lecture? How did learning this theory relate to your gingival status?

Journal #6

1. Describe how you currently care for your teeth. How did you learn? Has your oral self care regimen changed at any time? Support your answer.
2. Answer the following about your oral self care: (Please use complete sentences.)
 - What type of tooth brush do you use?
 - What type of tooth paste do you use?
 - Describe your tooth brushing technique.
 - How often do you brush your teeth and tongue?
 - What other oral self care/oral hygiene aids do you use or have you used?
3. Using professional terminology from an identified source of information, describe **proper** tooth brushing techniques. Evaluate your oral self care.

Journal #7

4. Lastly, what would you change about this course? What did you enjoy the most and what did you enjoy the least?