

**THREE RIVERS COMMUNITY COLLEGE
DH105 COURSE OUTLINE**

COURSE	Introduction to Dental Hygiene I
SEMESTER	Fall Semester 2008
CREDIT HOURS	1 Credit Hour
SCHEDULE AND LOCATION	Lecture: Thursdays 6:30 pm – 7:45 pm Mohegan Campus, Room 300
COURSE INSTRUCTOR	Carol D. Osora, RDH, MPH
CONTACT INFORMATION	Office hours by appointment, prior to class. Phone: (860) 464-9639 Email: c-osora@sbcglobal.net
COURSE TEXTBOOK	Torres and Ehrlich <u>Modern Dental Assisting</u> Ninth Edition: Bird and Robinson; Saunders Elsevier
LEARNING RESOURCES	<ul style="list-style-type: none"> • Videos (See lecture schedule) • Weblinks • Multimedia Procedures DVD • Dental Office CD-ROM • Web Site: http://evolve.elsevier.com
LIBRARY RESOURCES	<ul style="list-style-type: none"> • Students will utilize the library to consult books and other resource materials for assignments.

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 DH 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 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 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 depositis 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 DH 105 will be based on the following assignments and evaluations:

- 30% Final Examination
- 30% Midterm Examination
- 10% Written Summary of Dental Hygiene Appointment
- 10% Quizzes
- 10% Anatomical Drawing of a Molar Tooth Surrounded by the Periodontium
- 5% Journal
- 5% Participation

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.

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 one-week period.

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. Journal assignments are to be reviewed at the Writing Lab and signed by the designated assistant. The assignment is due by midnight of the due date or the assignment will earn a zero. See due dates for the assignments on the lecture schedule.

ACCREDITATION

The UNH Dental Hygiene Program is accredited by the Commission on Dental Accreditation of the American Dental Association.

**DNT 105
LECTURE SCHEDULE**

DATE	TOPICS AND LEARNING ACTIVITIES	READINGS VIDEOS
9/04/08 lecture 1	<ul style="list-style-type: none"> • Introduction to DNT 105, Review course outline. • The Profession of Dental Hygiene • Roles and Functions of a Dental Hygienist • The History of Dental Hygiene • You and Dental Hygiene – Allied Health Education 	<p>Chapter 3 Chapter 1 (pg. 9; 20-21) Chapter 1 (pgs. 8-9) Viewing the video: History of Dental Hygiene – available at UNH Dental Center conference room</p>
9/18/08 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 	<p>Search the Internet for information to complete the assignment: The Roles and Responsibilities of the Dental Team Chapter 3 Chapter 6 (pgs. 44-47, Table 6-1) Chapter 8 (pgs. 87-99) Chapter 11 (pgs. 134-141; 143 ; 146-147)</p>
10/02/08 lecture 3	<ul style="list-style-type: none"> • Overview of the Dentitions (continued) • Tooth Morphology • Head and Neck Anatomy • Quiz • Journal Due 	<p>Chapter 11 (pgs. 134-141; 143; 146-1470) Chapter 12 (pgs. 149-161; 114-116) Chapter 9 (pgs. 100-108; 111-112)</p>
10/16/08 lecture 4	<ul style="list-style-type: none"> • MIDTERM • Landmarks of the Face and Oral Cavity 	<p>STUDY!!! Chapter 10 Chapter 9 (pgs. 116-117)</p>
10/30/08 lecture 5	<ul style="list-style-type: none"> • Periodontal Disease: Tooth Accumulated Deposits 	<p>Chapter 14 (pgs. 182-183) Internet/Library</p>
11/13/08 lecture 6	<ul style="list-style-type: none"> • Structures of the Periodontium • Periodontal Health and Disease • Quiz 	<p>Chapter 8 (pgs. 95-97) Chapter 14</p>
11/20/08 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 	<p>Chapter 13</p>
12/11/08 lecture 8	<ul style="list-style-type: none"> • Preventive Dentistry • Oral Self Care Assessment / Techniques • Quiz • Written Summary of Dental Hygiene Appointment - Due 	<p>Chapter 15 (pgs. 189-205 ; 209)</p>
12/18/08	FINAL EXAM	STUDY!!!

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