

Three Rivers Community College Introduction to Dental Hygiene II

DNT 106 COURSE OUTLINE

COURSE TITLE	Introduction to Dental Hygiene II
SEMESTER	Spring Semester 2013
CREDIT HOURS	1 Credit Hour
LECTURE SCHEDULE	Tuesday 6:00 PM-7:45 PM TRCC Room E-225
COURSE INSTRUCTOR	Susan P. Kane, RDH, MS, LCSW
CONTACT INFORMATION	Cellular phone: (860) 908-7338 Email: SKane@trcc.commnet.edu
OFFICE HOURS	Immediately prior to, directly after class, and by appointment.
COURSE TEXTBOOK	Bird and Robinson. <i>Torres and Ehrlich Modern Dental Assisting</i> . 10 th ed. St. Louis: Saunders Elsevier, 2012.
LEARNING RESOURCES	<ul style="list-style-type: none"> • Dental / Dental Hygiene / Medical / Health WEBSITES • Students will utilize the TRCC Library to consult books and other resource materials. • Evolve web site: http://evolve.elsevier.com
COURSE LECTURES AND COURSE CONTENT	All course materials are located in the DNT 106 Bb site, including course outline, assignments, related documents, contact information, and announcements.

COURSE DESCRIPTION

This course provides students with a survey of contemporary issues encountered by dental health care professionals. Emphasis is placed on comprehensive dental care and dental specialties; health promotion and disease prevention; infection control in dentistry; occupational health and safety in the dental office; ethics and laws that affect the dental hygienist; and appropriate communication in the dental office.

COURSE OBJECTIVES

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

1. Understand the process of dental caries.
2. Value the role of dental hygienists in the health care delivery system.
3. Develop a plan for personal oral self-care 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. Describe the various dental specialties.
7. Discuss ethical and legal aspects of dentistry.
8. Describe deviations from normal and recognize oral pathology in the oral cavity.
9. Explain the importance of oral diagnosis.
10. Explain why the study of microbiology (bacteria, viruses and fungi) is important in the prevention of the disease transmission process in the dental environment.
11. Value the goals of an infection control program in the dental environment.
12. List and describe principles and techniques of disinfection.
13. List and describe principles and techniques of instrument processing and sterilization.
14. List and describe restorative and esthetic dental materials and dental prostheses.
15. Describe the dental environment and equipment in the dental setting.
16. Describe how to prepare for a dental hygiene treatment appointment using the appropriate instrument tray setup.
17. Discuss oral communication in the dental environment.

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.

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.

Preventive Dentistry

- Demonstrate the ability to maintain a healthy oral cavity.
- Integrate a 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 effective oral hygiene.
- Describe and demonstrate the Modified Bass tooth brushing technique.
- Identify, describe and demonstrate the use of interdental aids: stimulents, floss/floss holder and interdental brushes on a typodont.

Dental Specialties

- Describe the dental specialties: General Dentistry; Prosthetics; Endodontics; Periodontics; Oral and Maxillofacial Surgery; Pediatric Dentistry; Orthodontics; and Cosmetic Dentistry

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

- Explain why the study of microbiology is important for the dental hygienist.
- List and define the major groups of microorganisms.
- Identify the types of bacteria according to their shape.
- Explain the differences between aerobes, anaerobes and facultative anaerobes.
- Identify the most resistant form of life known, and explain how they survive.
- Identify diseases caused by the major groups of organisms.

Disease Transmission and Infection Control in Dentistry

- Name five methods of disease transmission in the dental setting, and give an example of each.
- Describe the chain of infection.
- Define types of infection.
- 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.
- List and define modes of disease transmission in the dental setting.
- Explain the three goals of an infection control program.
- Describe the guidelines for infection control in dental healthcare settings developed by U.S. federal agencies.
- Define the terms *infection control* and *universal precautions*.
- Explain the requirements for protective clothing, masks, eyewear, and gloves.
- Describe the indications for hepatitis B virus immunization.
- Explain why proper methods of hand washing are important.
- Describe the disposal of sharps.
- Describe the types of dental office waste and the management of each.
- List and briefly describe diseases of major concern to dental professionals.

Disinfection

- Pronounce, define and spell the Key Terms on pgs. 317-318 used in lecture.
- 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.
- Explain the indications and limitations for the use of chemical sterilants.
- Identify chemical products commonly used for intermediate-level surface disinfection, and explain the advantages and disadvantages of each one.

Sterilization

- Pronounce, define and spell the Key Terms on pg. 334 used in lectures.
- List and define critical and semicritical instruments.
- Give examples of a critical and noncritical items used in dentistry.
- Explain the differences between disinfection and sterilization.
- Discuss the seven steps involved in processing dental instruments.
- Describe three methods of sterilization used to sterilize dental instruments.
- Compare and contrast advantages and disadvantages of the methods of sterilization.
- Describe the precautions that are necessary when one is packaging materials and instruments for sterilization.
- Describe biologic indicators and their use.
- Describe the CDC guidelines for preparing and packaging instruments for sterilization.

Ethical and Legal Aspects of Dentistry

- List sources of ethics that influences the development of personal and professional values and morals.
- Explain the purpose of the Dental Hygiene Code of Ethics.
- List and define Key Terms of the principles of ethics used in dental hygiene.
- Discuss the steps for solving an ethical dilemma.

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.
- Describe the positioning of the dental team.

Patient Dental Record

- Describe the patient dental record
- List the forms used to gather patient medical and dental information

The Dental and Dental Hygiene Instruments and Accessories

- Describe the design of hand dental and dental hygiene instruments.
- Describe the use of hand dental and dental hygiene instruments.
- Describe the use of preset 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.

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

Students must earn a passing grade of **75% or greater** in this course for transfer credit to the University of New Haven (UNH) Dental Hygiene Program. *(The UNH A.S. in Dental Hygiene program is accredited by the Commission on Dental Accreditation of the American Dental Association. The ADA is a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and by the United States Department of Education.)*

The lecture grade for **Introduction of Dental Hygiene II** will be based on the following assignments and testing evaluations:

5% Homework assignments and in-class activities / participation in class

5% Course Writing Assignment

5% 1 Quiz

20% Exam 1

20% Exam 2

20% Exam 3

25% Final Exam

100%

PERFORMANCE STANDARDS

DNT 106 Grading Scale:

95-100% A

90-94 A-

87-89% B+

85-86 B

80-84 B-

77-79% C+

75-76 C (passing grade of 75% and/or greater is required to transfer course credit to UNH)

70-74 C-

67-69 D+

65-66 D

60-64 F

THREE RIVERS COMMUNITY COLLEGE POLICIES AND PROCEDURES

DNT 106, Introduction to Dental Hygiene II abides by the **Institutional and Academic Policies** published in the 2012-2013 TRCC Catalog.

ACADEMIC INTEGRITY

Students participating in DNT 106 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 and 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.”*** Students will be required to write, date, and sign Honor Statements similar to the following example; “I assert that the work presented in this assignment is my own original effort.” Students refusing to write, date, and sign Honor Statements will receive a zero for that assignment.

STUDENTS WITH DISABILITIES

If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider (DSP) as soon as possible. ***Please note that accommodations cannot be provided until you provide written authorization from a DSP.*** TRCC Disabilities Service Providers, Counseling and Advising Office is located in Room A-119.

Matt Liscum (860) 383-5240: physical disabilities, sensory disabilities, medical disabilities, mental health disabilities.

Chris Scarborough (860) 892-5751: learning disabilities, ADD/ADHD, Autism spectrum.

You can make an appointment with a 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.***

LECTURE ATTENDANCE POLICY

Students are expected to arrive on time for each class and are expected to attend all classes regularly. While the course instructor recognizes that some absences may occasionally be necessary, these should be held to a minimum. A maximum of two weeks of absences will be permitted for illnesses and emergencies. **The instructor has the right to dismiss from class any student who has been absent more than the maximum allowed. Should a student be unable to attend a class, please leave a voicemail@ (860) 908-7338 or send an email to Skane@trcc.commnet.edu.**

Tardiness to lecture is unacceptable and deemed unprofessional. Students are expected to attend all lectures and to participate in class activities and assignments. **When a student is absent and misses an in-class assignment, the student earns a zero. If a student is absent because of illness or an emergency, the student must present a valid medical clearance for the illness or evidence defending the emergency to the instructor within a ONE-week period in order to complete the in-class assignment.**

ABSENTEE POLICY FOR LECTURE TESTING

If a student is absent for a test, they must make arrangements agreed upon by the course instructor to take an **essay** make-up exam within a **ONE-week period**. **If a student is absent for a quiz, the student earns a zero. If a student is absent because of illness or an emergency, the student must present a valid medical clearance for the illness or evidence defending the emergency to the instructor within a ONE-week period in order to take the quiz. The make-up quiz is in essay format.**

COURSE ASSIGNMENTS

All written assignments are to be prepared on the computer (Microsoft Word software): spelling, punctuation and grammar will be evaluated as a portion of the grade 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 lecture schedule. **Assignments will not be accepted beyond the due date; thus, late assignments will earn a zero. Assignments that are not typed will not be accepted and will earn a grade of zero.**

EMERGENCY CAMPUS NOTIFICATION SYSTEM

myCommNet Alert is a system that sends text messages and emails to anyone signed up in the event of a campus emergency. Additionally, TRCC sends messages when the college is delay or closed due to inclement weather.

All students are encouraged to sign up for myCommNet Alert. A tutorial on how to sign up is available on the Educational Technology and Distance Learning Students page of the web site. Utilize the link below to access this information:

http://www.trcc.commnet.edu/div_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html

EMAIL COMMUNICATION

Any emails that need to be sent from the instructor to the student or vice versa, will be sent utilizing the TRCC provided email system. ***ALL students must have an email account with the .trcc.commnet.edu address. No personal emails will be sent from the instructor to the student.***

Introduction to Dental Hygiene II
LECTURE SCHEDULE—Spring Semester 2013

LECTURE DATE	LECTURE TOPICS, TESTING DATES, AND ACTIVITIES/ASSIGNMENTS	READINGS
1/29/2013	<p>Course Orientation: review DNT 106 course outline</p> <p>1) Lecture: Dental Caries</p> <p>2) Lecture: Preventive Dentistry: Plaque Control Program</p> <p>Activity: Demonstrate the Modified bass tooth brushing technique and the use of floss/floss holder</p>	<p>Chapter 13</p> <p>Chapter 15</p> <p>Review all illustrations in the chapter readings.</p>
2/5/2013	<p>1) Lecture: Explore the Dental Specialties: General Dentistry; Fixed Prosthetics; Endodontics; Periodontics (carefully review the contents of this chapter); Oral and Maxillofacial Surgery; Pediatric Dentistry; Orthodontics</p> <p>Activity: Demonstrate the use of interdental aids: floss/floss holder, stimudents, and interdental brushes.</p> <p>2) Lecture: Introduction to Oral Pathology / Lesions</p> <p>Activity: Review Extra and Intra Oral Structures</p>	<p>Chapter 48 (pgs. 774-776)</p> <p>Chapter 50 (pgs. 857; 860; 864)</p> <p>Chapter 54 (pgs. 916-917; 928-929)</p> <p>Chapter 55 (pgs. 933-940; 944)</p> <p>Chapter 56 (pgs. 959-961 971; 977)</p> <p>Chapter 57 (pgs. 983-991)</p> <p>Chapter 60 (pgs. 1026-1029)</p> <p>Chapter 17</p> <p>Review all illustrations in the chapter readings.</p>
2/12/2013	<p>Quiz 1 (30 minutes)</p> <p>1) Lecture: Introduction to Oral Pathology / Lesions (CONTINUED)</p> <p>Activity: Describe and locate oral lesions using patient case presentations</p> <p>2) Lecture: Microbiology</p> <p>3) Lecture: Disease Transmission and Infection Control</p>	<p>Review Chapter 10</p> <p>Chapter 18</p> <p>Chapter 19</p> <p>Review all illustrations in the chapter readings: describe color, location, and lesions above, even or below the mucosal surfaces.</p>

2/26/2013	<p>Lecture: Disease Transmission and Infection Control (CONTINUED)</p> <p>Exam 1 (topics up to microbiology)</p>	Chapter 19
3/12/2013	<p>1) Lecture: Principles and Techniques of Disinfection</p> <p>2) Lecture: Principles and Techniques of Instrument Processing and Sterilization</p> <p>Activities:</p> <ul style="list-style-type: none"> • Identification of the Dental Equipment/Operatory • Demonstration of Personal Protective Equipment 	<p>Chapter 20</p> <p>Chapter 21</p>
3/26/2013	<p>Exam 2 (topics up to sterilization)</p>	
4/9/2013	<p>1) Lecture: Introduction to the Dental Hygiene Appointment and Instruments Activity: Identification of instruments used during the dental hygiene appointment</p> <p>2) Lecture: Introduction to Restorative Materials and Dental Prostheses Activity: Identify Restorative Materials and Dental Prostheses using dental models</p> <p>DNT 106 Course Research Assignment is due.</p>	<p>Chapter 26</p> <p>Chapter 34 (pgs. 497-501) Chapter 55 (pgs. 878-880; 883-884)</p> <p>Chapter 43 (pgs. 732-733; 738-739; 747-748) Chapter 50 (pgs. 860) Chapter 52 (pgs. 888-890) Chapter 53 (pgs. 904-907)</p> <p>Review all illustrations in chapter readings.</p>
4/23/2013	<p>1) Communication in the Dental Office Exam 3</p>	Chapter 61 (pgs. 1056-1065)
5/7/2013	<p>FINAL EXAM</p>	

Lecture schedule is tentative and subject to change per the instructor. Please access Blackboard on a daily basis for announcements, lecture postings, assignment postings, and course content information.