

# Three Rivers Community College Introduction to Dental Hygiene II

## DNT 106 COURSE OUTLINE

<b>COURSE TITLE</b>	Introduction to Dental Hygiene II
<b>SEMESTER</b>	Spring Semester 2015
<b>CREDIT HOURS</b>	1 Credit Hour
<b>LECTURE SCHEDULE</b>	Tuesday 6:00 PM-7:45 PM TRCC Room E-204
<b>COURSE INSTRUCTOR</b>	Susan P. Kane, RDH, MS, LCSW
<b>CONTACT INFORMATION</b>	Cellular phone: (860) 908-7338  Email: SKane@trcc.commnet.edu
<b>OFFICE HOURS</b>	Immediately prior to, directly after class, and by appointment.
<b>COURSE TEXTBOOK</b>	Bird and Robinson. <i>Torres and Ehrlich Modern Dental Assisting</i> . 10 <sup>th</sup> ed. St. Louis: Saunders Elsevier, 2012.
<b>LEARNING RESOURCES</b>	<ul style="list-style-type: none"> <li>• <a href="http://www.webmd.com/">http://www.webmd.com/</a></li> <li>• <a href="http://www.cdc.gov/">http://www.cdc.gov/</a> Centers for Disease Control and Prevention</li> <li>• <a href="http://www.google.com/">http://www.google.com/</a> Google images</li> <li>• <a href="http://www.nlm.nih.gov/medlineplus">http://www.nlm.nih.gov/medlineplus</a> Medline Plus</li> <li>• <a href="http://www.pubmed.org">http://www.pubmed.org</a></li> <li>• Students will utilize the TRCC Library to consult books and other resource materials.</li> </ul>
<b>COURSE LECTURES AND COURSE CONTENT</b>	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:**

1. Assess the role of dental hygienists in the health care delivery system.
2. Develop a plan for personal oral self-care and value personal oral self-care.
3. Demonstrate the ability to maintain a healthy oral cavity.
4. Utilize professional written communication skills when completing class assignments.
5. Describe the various dental specialties.
6. Discuss ethical and legal aspects of dentistry.
7. Describe deviations from normal and recognize basic oral pathology in the oral cavity.
8. Explain why the study of microbiology (bacteria, viruses and fungi) is important in the prevention of the disease transmission process in the dental environment.
9. Describe the goals of an infection control program in the dental office environment.
10. List and describe principles and techniques of disinfection.
11. List and describe principles and techniques of instrument processing and sterilization.
12. List and describe basic restorative and esthetic dental materials and dental prostheses.
13. Describe the dental environment and equipment used in the dental setting.
14. Describe how to prepare for a dental hygiene treatment appointment using the appropriate instrument tray setup.
15. Discuss oral communication in the dental environment.

## **LEARNING OUTCOMES**

Upon completion of this course, Introduction to Dental Hygiene II, the student will achieve the following objectives:

**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.
- Pronounce, spell and define key 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 that are professional in appearance, and have been “checked” for spelling and grammar.

## **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 on a typodont.
- Identify, describe and demonstrate the use of interdental aids: stimulents, floss/floss holder and interdental brushes on a typodont.
- Practice utilizing appropriate oral hygiene aids learned in lecture and in the dental hygiene appointment.

## **Dental Specialties**

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

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

- Pronounce, define, and spell key terms presented in this chapter.
- Name and identify the landmarks of the face and the oral cavity.

## **Oral Pathology**

- Pronounce, define and spell all terms presented in this chapter.
- Explain why the study of oral pathology is important for the dental hygienist.
- Distinguish between normal and abnormal structures of the face and oral cavity.
- List and describe the types of oral lesions extending below the surface, above the surface and lesions that are flat or even with the surface of the mucosa.
- List and describe oral lesions: aphthous ulcer, erosion, abscess, cyst, vesicle, pustule, hematoma, plaque, leukoplakia, and ecchymosis.
- List colors of oral lesions/pathology.
- List signs and symptoms related to oral lesions/pathology.

## **Microbiology**

- Pronounce, define, and spell key terms presented in this chapter.
- 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 forms of life known, and explain how they survive.
- Name the blood-borne pathogens of concern in dentistry.
- Identify diseases caused by the major groups of organisms.

## **Disease Transmission and Infection Control in Dentistry**

- Pronounce, define, and spell key terms presented in this chapter.
- List the five methods of disease transmission in the dental setting, and give an example of each

- Explain the difference between Universal Precautions and Standard Precautions.
- List five methods of disease transmission in the dental setting and give an example of each.
- Describe the types of immunity.
- Identify and define the links in the chain of infection.
- Describe the methods of disease transmission in the dental setting.
- Name the blood-borne infections that are a major concern to dental health-care workers and describe the methods to prevent disease transmission in the dental setting.
- Describe the guidelines for infection control in dental healthcare settings developed by U.S. federal agencies.
- Explain the importance of proper hand hygiene for dental professionals.
- Discuss the types of PPE (personal protective equipment) for dental professionals.
- Describe the disposal of sharps.
- Describe the proper handling and disposal methods for each type of waste in the dental office.
- List and briefly describe diseases of major concern to dental professionals.

### **Principles and Techniques of Disinfection**

- Pronounce, define and spell key terms presented in this chapter.
- List and define the parts of the dental equipment/unit.
- Explain why dental treatment room surfaces need barriers and disinfection.
- List the types of surfaces in the dental office that are typically covered by barriers.
- Explain difference between disinfection and sterilization.
- Describe two methods to deal with surface contamination.
- Identify the surface barriers used to prevent surface contamination.
- List the advantages and disadvantages of the use of surface barriers.
- Name the government agency that is responsible for registering disinfectants and sterilants.
- Identify chemical products (disinfectants) commonly used for intermediate-level surface disinfection, and explain the advantages and disadvantages of each one.
- Describe the CDC guidelines for disinfecting clinical contact surfaces.
- Describe the CDC guidelines for disinfecting housekeeping surfaces.

### **Principles and Techniques of Instrument Processing and Sterilization**

- Pronounce, define and spell key terms presented in this chapter.
- Discuss the seven steps involved in processing dental instruments.
- List examples of critical and semi critical instruments used in dentistry.
- Describe the three most common methods of heat sterilization and the advantages and disadvantages of each.
- Describe the precautions that are necessary when one is packaging materials and instruments for sterilization.
- Explain the differences between process indicators and process integrators.
- Describe biologic monitoring and why it is done.
- Describe the Centers for Disease Control and Prevention guidelines for sterilization and preparing and packaging instruments for sterilization.
- Describe the CDC guidelines for preparing and packaging instruments for sterilization.

## **The Dental Office**

- Describe the design of a dental treatment area.
- List the clinical equipment most commonly found in the dental treatment room.
- Discuss the basic functions of the dental unit.
- 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 Armamentarium**

- Describe the three parts/design of hand (manual) dental and dental hygiene instruments.
- List and describe the use of hand dental and dental hygiene instruments.
- Describe the low-speed hand piece and its use in dentistry.

## **Restorative and Esthetic Dental Materials**

- Identify and describe dental restorative materials presented: amalgam, composite, gold alloy and porcelain, and their application in restoring teeth.
- Differentiate between fixed prostheses and removable prostheses.
- Identify an implant in the oral cavity and on a radiograph.
- Identify and describe a partial denture and a full denture.

## **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 the profession of dental hygiene.
- Discuss the steps for solving an ethical dilemma.
- Differentiate between criminal law and civil law.

## **Communication in the Dental Office**

- Identify patient needs in the dental office environment.
- Discuss oral communications in the dental environment, and identify the differences between verbal and nonverbal communications in this environment.
- Discuss stress in the dental practice that affects patients and providers.
- Discuss the team concept for bettering communication.

## **American Dental Association Commission on Dental Accreditation**

The UNH Associate in Science degree in the Dental Hygiene program is accredited by the Commission on Dental Accreditation of the American Dental Association (ADA). 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 Introduction to Dental Hygiene II course @TRCC is subject to those same guidelines.

## **LECTURE EVALUATION PROCEDURES**

According to the UNH DH Resource Manual 2014-2015, "in order to enter sophomore year and begin the clinical course sequence (DHYG 2214-DHYG 4460), students must:

- Be a full-time student (minimum of 12 credits per semester).
- Achieve a cumulative QPR (Quality Point Ratio/grade point average) of 2.70 or above at the University of New Haven by the end of the Spring Semester, preceding entry into the Sophomore curriculum (dental hygiene clinical course sequence)."

In order to continue in the Dental Hygiene Program, students must meet the minimum standard of 75% (C) or better in each component of the dental hygiene courses, including the didactic, clinical and laboratory components.

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

**5% Completion of homework assignments and in-class activities, monitored by attendance and written assignments.**

**5% Course Research Assignment**

**5% 1 Quiz**

**20% Exam 1**

**20% Exam 2**

**20% Exam 3**

**25% Final Exam**

**100%**

## **PERFORMANCE STANDARDS**

### **Dental Hygiene Grading Scale:**

95-100%	A
90-94	A-
87-89%	B+
85-86	B
80-84	B-
77-79%	C+
<b>75-76</b>	<b>C (passing grade of 75% and/or greater is required to transfer course credit to UNH)</b>
70-74	C-
67-69	D+
65-66	D
60-64	D-
<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 2014-2015TRCC Catalog.

### ACADEMIC INTEGRITY

Students are required to abide by the academic, professional, ethical and integrity policies described in the UNH Dental Hygiene resource Manual and by the policies established by TRCC. 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.***

### NON-DISCRIMINATION POLICY

Three Rivers Community College does not discriminate on the basis of race, color, religious creed, age, sex, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, sexual orientation, gender identity and expression, or genetic information in its programs and activities. In addition, the College does not discriminate in employment on the basis of veteran status or criminal records. The following person has been designated to handle inquiries regarding the non-discrimination policies:

**Gregory Sousa, Title IX Coordinator, [Gsouza@threerivers.edu](mailto:Gsouza@threerivers.edu) TRCC, Room C-131 (860) 215-9486.**

## **SEXUAL MISCONDUCT POLICY**

Three Rivers CC strongly encourages all students to report any incidents of sexual misconduct, which includes, but is not limited to, sexual harassment, intimate partner violence, and sexual assault. Students have the right to the prompt and fair resolution of all claims, and the College will preserve the confidentiality of all who report to the fullest extent possible and allowed by law. College employees will explain the limits of confidentiality before information about the incident is revealed. To report sexual misconduct, or to learn more about your options, please contact the Title IX Coordinator. **Gregory Souza, Title IX Coordinator (860) 215-9486 or call the Sexual Assault Crisis Center of Eastern CT hotline @ (860) 437-7766.**

## **LECTURE ATTENDANCE POLICY**

Should a student be unable to attend a class, please phone (860) 908-7338 to leave a voice message AND send an email to [SKane@trcc.commnet.edu](mailto: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 a personal emergency, the student must present medical documentation or written evidence endorsing the emergency, respectively, to the instructor within a ONE WEEK period in order to complete the in-class assignment.** A maximum of two weeks of absences will be permitted for illness and emergencies. ***The instructor has the right to dismiss from class any student who has been absent more than the maximum allowed.*** According to the academic calendar 2015, **the last day to withdraw from a class is May 11, 2015.** Any students dismissed from DNT 106 after 5/11/2015, will receive a grade of F (Failure) if they are failing the class at this time, or a grade of a W if the student is passing DNT 106@ the time of dismissal. 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 an exam due to an emergency, they must make arrangements agreed upon by the course instructor to take a make-up exam within a **ONE-week period**. *If a student is absent for a quiz, the student earns a zero, unless they have an illness or an emergency. **When an illness or an emergency prevents the student from taking an exam or a quiz, the student must submit an official/professional written excuse to the instructor.** Failure to present a written excuse will result in the grade of a zero.*



## **COURSE RESEARCH ASSIGNMENT AND OTHER ASSIGNMENTS**

All course assignments are to be computer-generated, 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 assignment, 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; specifically by 10:59 PM on the due date. Thus, late assignments will earn a zero unless the student is ill or has a personal reason and is able to provide the written documentation supporting that illness or emergency. (See absentee policies above as they apply to course assignments). **Assignments that are not typed will not be accepted and will earn a grade of zero.***

## **TRCC ONLINE DIGICATION E-PORTFOLIO ASSIGNMENT**

All Students are required to maintain an online learning portfolio in Digication that uses the TRCC template. Through this electronic tool, students will have the opportunity to monitor their own growth in college-wide learning. **Students in the Introduction to Dental Hygiene II course are required to post the course research assignment on their learning portfolio in Digication and share this with their course instructor.** Students can access directions on how to complete this assignment on the TRCC home page, specifically under Learning Resources(upper right hand corner) under create an e portfolio. This information can also be accessed through <https://digication.ct.edu>.

## **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 delayed 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.comnet.edu/div\\_it/educationaltechnology/Tutorials/myCommNetAlert/MIR3.html](http://www.trcc.comnet.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.comnet.edu address. No personal emails will be sent from the instructor to the student.***

**CELLULAR PHONES AND PAGERS IN THE CLASSROOM**

“Students are hereby notified that cellular phones and beepers are allowed in class ONLY if they are turned off or turned to silent mode. **Under no circumstances are telephones to be answered during class time.** Cellular phones must be turned off and stored away during the administration of exams and quizzes. Students who ignore this policy may be asked to leave class. When there are extenuating circumstances that may require a student to be available by phone or beeper, the student should speak to the instructor prior to class, so that together they can arrive at an agreement concerning the devices.”

**Introduction to Dental Hygiene II  
LECTURE SCHEDULE—Spring Semester 2015**

LECTURE DATE	LECTURE TOPICS, TESTING DATES, AND ACTIVITIES/ASSIGNMENTS	READINGS
1/27/2015	<ul style="list-style-type: none"> <li>• <b>Course Orientation:</b> review DNT 106 course syllabus</li> <li>• <b>Lecture:</b> Explore Dental Specialties; General Dentistry, Fixed Prosthetics; Endodontics; Periodontics; Oral and Maxillofacial Surgery; Pediatric Dentistry and Orthodontics</li> <li>• <b>Homework Assignment:</b> Review Modified Bass tooth brushing and proper flossing techniques, using a disclosing tablet. <b>Document your findings on the Assignment 1 form</b></li> </ul>	<p><b>Chp15 (pgs 198-200; 202-208; 212-219)</b>  <b>Chp 48 (pgs 824-825),</b>  <b>Chp 50 (pgs 856-860)</b>  <b>Chp 54 (pgs 915-916)</b>  <b>Chp 55 (pgs 993-939)</b>  <b>Chp 56 (pgs 959-961)</b>  <b>Chp 57 (pgs 983-988)</b>  <b>Chp 60 (pgs 1026-1-31)</b></p> <p><b>Review all illustrations in the chapter readings.</b></p>
2/10/2015	<ul style="list-style-type: none"> <li>• <b>Lecture:</b> Introduction to Oral Pathology/Lesions</li> <li>• <b>Activity:</b> Review Extra/Intra Oral Facial Structures, Describe and locate head and neck pathology/lesions using pt. case presentations and Assignment 2</li> <li>• <b>Assignment 1 is due</b></li> <li>• <b>Begin assignment 2 in class</b></li> </ul>	<p><b>Review Chp 10</b>  <b>Chp 17</b>  <b>Review all illustrations in the chapter reading: describe color, location of lesions that are above, below, or even w/the mucosal surface.</b></p>
2/24/2015	<p><b>Quiz 1 (30 minutes)</b></p> <ul style="list-style-type: none"> <li>• <b>Lecture:</b> Microbiology and Disease Transmission and Infection Prevention</li> <li>• <b>Activity:</b> Demonstration of PPE</li> <li>• <b>Assignment 2 is due</b></li> </ul>	<p><b>Chapter 18</b>  <b>Chapter 19</b></p>

3/3/2015	<p><b>Lecture:</b> Disease Transmission and Infection Control (<b>CONTINUED</b>)</p> <p><b>Exam 1</b> (topics up to microbiology)</p>	Chapter 19
3/10/2015	<ul style="list-style-type: none"> <li>• <b>Lecture:</b> Principles and Techniques of Disinfection</li> <li>• <b>Activity:</b> Identification of Dental Equipment</li> <li>• <b>Assignment 3 is due</b></li> </ul>	<p>Chapter 20</p> <p>Chapter 32</p>
3/24/2015	<p><b>Exam 2</b> (topics up to sterilization)</p> <ul style="list-style-type: none"> <li>• <b>Lecture:</b> Principles and Techniques of Instrument Processing and Sterilization</li> <li>• <b>Activity:</b> Identification of instruments used during Dental Hygiene Appt.</li> </ul>	Chapter 21
4/7/2015	<ul style="list-style-type: none"> <li>• <b>Lecture:</b> Introduction to Patient Dental Record and Intro to DH Appt</li> <li>• <b>Activity:</b> Assignment 5 will be completed in class</li> <li>• <b>Course Research Assignment is Due</b></li> </ul>	<p>Chapter 26</p> <p>Chapter 34 (pgs. 528-531)</p> <p>Chapter 55 (pgs. 939-940; 944)</p>
4/14/2015	<ul style="list-style-type: none"> <li>• <b>Lecture:</b> Introduction to Restorative Material and Dental Prostheses</li> <li>• <b>Activity:</b> Identify Restorative Materials and Dental Prostheses using Dental Models</li> <li>• <b>Exam 3</b></li> </ul>	Chp 43 (pgs 732-33 ; 738-39 ; 747-48), Chp 50 pg 860
5/5/2015	<ul style="list-style-type: none"> <li>• <b>Lecture:</b> Communication in the Dental Office</li> </ul>	Chapter 61 (pgs. 1056-1065)
5/12/2015	<b>FINAL EXAM</b>	

**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.**