

# DHY 108 Preventive Oral Health Services II

## Course Abstract

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

**Course ID and Name:** DHY 108 Preventive Oral Health Services II

**Department:** Dental Hygiene

Course Instructor: Kathleen Costanzo, R.D.H., M.Ed.

**Prerequisites:** DHY 102, DHY 105, DHY 107 and current CPR for the Healthcare Provider certification

### Course Description:

Didactically, an introduction to clinical dental hygiene skills as well as a general reference to the entire scope of the professional practice. Clinically, the students will render services to patients with selected levels of difficulty, encompassing the areas of: patient assessment, patient education, oral prophylaxis and radiology. May not be audited.

### General Education Status:

**Credits:** 5    **Lecture Hours:** 3    **Lab Hours:** 0    **Practicum Hours:** 12    **Recitation Hours:** 0

### LEARNING OUTCOMES

1. Prevent transmission of disease by utilizing acceptable procedures for sterilization, disinfection and sanitization. **C2, C3, HP5**
2. Demonstrate correct ergonomics for optimal efficiency and minimal risk of developing musculo-skeletal problems. **C3, C10, HP1, HP5**
3. Demonstrate the proper instrumentation technique for select assessment and debridement instruments appropriate to a beginner level of development. **C2, C3, C10, HP1, HP5**
4. Provide dental hygiene therapeutic treatment to with varying levels of difficulty including patient assessment, diagnosis, care planning, prophylaxis, and radiography. **C2, C4, C8, C9, C10, HP1, HP2, HP3, HP5, PC1, PC2, PC3, PC4, PC5**

**COURSE OBJECTIVES:** Based on the completion of a series of lectures, reading assignments, course attendance, demonstrations, clinical skills workshops and clinical practice, the student will be able to, on a written, lab, clinical examination or evaluation:

### LECTURE AND CLINICAL SKILLS WORKSHOPS:

1. Demonstrate the correct use and adapt the periodontal probe in patient assessment. **C3, C4, C9, HP5, PC1, PC2, PC3**
2. Describe the method for recording and charting periodontal pocket depths. **C3, C9, HP5, PC1, PC2, PC3**
3. Discuss the indications and contraindications for coronal polishing. **C3, C4, HP1, HP5, PC2, PC3, PC4**
4. Explain multiple strategies for record keeping and documentation of patient data. **C1, C9, PC1**
5. Identify and record the various types of dental restorative material in the oral cavity. **C3, C9, PC1**

6. Identify occlusion with Angle's classifications system for both adult and child patients. **C3, C9, PC1**
7. List and describe the objectives of the examination of the teeth and adjacent structures. **C3, C9, PC1**
8. Describe the components, action, and therapeutic or cosmetic benefits of dentifrices and mouth rinses. **C3, HP2, HP5, PC3, PC4**
9. Utilize a plaque and gingival bleeding scores as a motivational tool in patient education. **C3, C4, PC1, PC2, PC3**
10. Discuss the cause of hypersensitivity and the hydrodynamic theory of pain transmission. **C3, C4, C9, C10, HP2, HP4, PC1, PC2**
11. Plan and recognize dental hygiene interventions to manage dentin hypersensitivity. **C3, C4, C9, C10, PC1, PC2**
12. Explain the role of the dental hygienist with respect to assessment, treatment, and prevention of oral malodor. **HP1, HP4, PC1, PC2, PC4**
13. Identify the basic principles for maintaining sharp dental instruments. **C3, HP5**
14. Describe clinical procedures for administration of topical anesthesia. **C3, HP5**
15. List the advantages and limitations of using the ultrasonic scaling device. **C3, HP5, PC4**
16. Demonstrate the correct use of the ultrasonic scaling device when rendering an oral prophylaxis to patients in the dental setting. **C3, C4, HP5, PC4**
17. Identify conditions when an advanced fulcrum is indicated. **C4, HP5**
18. Identify the advantages and disadvantages of modified intra-oral and extra-oral fulcrums. **C3, HP5**
19. Demonstrate correct aspiration and retraction techniques when assisting with the ultrasonic scaling device. **C3, HP5**
20. Demonstrate the materials and techniques used as oral physiotherapy adjuncts. **C3, HP1, HP4, PC4**
21. Identify and implement the management techniques and clinical procedures to plan dental hygiene care and oral health education for the pregnant, pediatric and the adolescent patient. **C3, C4, C10, HP1, HP4, PC1, PC3, PC4**
22. List and describe the oral health needs of the patient during specific lifecycles. i.e.: pregnancy, puberty, adolescence and menopause. **C3, C4, C10, HP1, HP4, PC1, PC3, PC4**
23. Identify additional factors that can influence planning for dental hygiene care. **C3, C9, C10, PC3, PC4**
24. Identify the oral changes and common lesions in the edentulous patient. **C3, PC1, PC2**
25. Explain the philosophy of selective polishing. **C3, C4, HP1, HP5**
26. Recognize and identify extrinsic and intrinsic dental stains and discolorations. **C3, HP5, PC1, PC2, PC3, PC4, PC5**
27. Demonstrate the proper technique for caring for dental appliances. **C3, PC4**
28. Demonstrate and explain the procedures used to apply topical fluoride, gels and varnish to the dental dentition. **C3, C4, HP2, HP4, HP5, PC4**
29. Understand the HIPAA agency that is responsible for enforcing privacy regulations. **C1, C2, HP1**
30. Provide a self-assessment of their clinical skills by writing journals describing personal experiences. **C5**
31. Demonstrate an interest in the profession of dental hygiene by showing and eagerness to learn, the ability to accept corrections gracefully, and being prompt and consistent in attending class and clinical sessions. **C5**

### **CLINICAL:**

When rendering dental hygiene care to patients, the student will perform the following services:

1. Prevent transmission of disease by utilizing standardized infection control protocols. **C2, C3, C7**
2. Take a health history to use in planning dental hygiene care and prevent harm to the patient, operator and others. **C4, C9, HP1, HP2, HP3, PC1, PC2, PC3**

3. Measure and record a patient's vital signs. i.e.: pulse, respiration and blood pressure. **C3, C4, HP1, HP2, HP4, HP5, PC1, PC2**
4. Position the patient and self for effective patient treatment and proper ergonomics. **C3, C4, HP5, PC4**
5. Recognize normal and abnormal oral conditions by performing a thorough oral inspection. **C3, C4, C9, HP1, HP5, PC1, PC2**
6. Perform a gingival assessment, recognizing signs of health and disease. **C3, C4, C9, PC1, PC2**
7. Perform a periodontal assessment recognizing signs of health and disease. **C3, C4, C9, PC1, PC2**
8. Identify various tooth deposits and stains. **C3, C4, HP1, PC1, PC2**
9. Develop a dental hygiene care plan utilizing all available assessment data. **C3, C4, C9, HP1, HP2, HP4, PC2, PC3**
10. Identify and record existing dental conditions. i.e.: restorations, dental caries, occlusion and missing teeth. **HP2, HP4, PC1, PC2**
11. Utilize plaque and gingival bleeding indices as a motivational tool in patient education. **C4, C9, HP1, PC1, PC2, PC5**
12. Expose, process and interpret dental radiographs. **C2, C4, C7, C9, C10, HP5, PC2, PC3, PC4, PC5**
13. Utilize a dental hygiene care plan, appointment and recall intervals for each individual patient. **C3, HP1, HP2, PC4, PC5**
14. Provide patient education that is individually tailored to attain and maintain oral health. **C4, HP1, HP2, PC4, PC5**
15. Perform periodontal debridement through scaling and root planning without traumatizing hard and/or soft tissue. **C4, HP1, HP5, PC4, PC5**
16. Perform a sequence of instrumentation used during calculus removal. **HP1, HP5, PC1, PC2, PC3, PC4, PC5**
17. Provide advanced fulcrum during patient treatment when needed. **C4, HP5**
18. Remove plaque and stain by utilizing a hand piece and prophylaxis angle. **C4, HP1, HP5, PC4, PC5**
19. Sharpen and recontour periodontal instruments by applying knowledge of instrument design. **C3, HP5, PC4**
20. Demonstrate proficiency in the use and care of hand piece and other adjunct instruments. **HP5, PC4**
21. Demonstrate oral physiotherapy devices used as adjuncts to oral prophylaxis and oral hygiene care. **HP1, HP2, PC4, PC5**
22. Evaluate the oral prophylaxis utilizing the explorer and disclosing solution. **C4, PC1, PC2, PC3, PC4, PC5**
23. Apply topical fluoride to the dentition. **C2, HP1, HP2, HP4, HP5, PC4**
24. Apply topical anesthetic. **C2, HP5, PC4**
25. Operate the autoclave sterilizing equipment. **C2, C3, C7, HP5**
26. Manage the radiology and sterilizing departments efficiently. **C7, HP5**
27. Maintain patient records accurately. **C1, C2, C7, PC3**
28. Demonstrate and initiate appropriate emergency procedures when needed during patient treatment. **C2, C3, C4, PC1, PC2, PC4**
29. Understand the need for patient chart audits and be able to provide quality assurance to patients. **C7, HP5**