

DHY 211 Preventive Oral Health Services III

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 211 Preventive Oral Health

Department: Dental Hygiene

Course Instructor: TBD

Prerequisites: DHY 108, 111, 114, 115, Current CPR for the Healthcare Provider

Course Description:

Continuation of DHY 108 emphasizing more challenging clinical skills and detailed patient assessment. An understanding of medical conditions and complications related to dental treatment is covered in lecture. May not be audited.

General Education Status:

Credits: 5 **Lecture Hours:** 2 **Lab Hours:** 0 **Practicum Hours:** 16 **Recitation Hours:** 0

Learning Outcomes:

1. Describe the etiology, signs, symptoms, oral and physical characteristics, treatment modifications and precautions in the dental treatment of patients with special needs. **C1, C3, C4, C5, C8, C9, C10, HP3, HP4, HP5, PC1, PC2, PC3**
2. Provide dental hygiene treatment to patients exhibiting varying levels of difficulty including assessment, diagnosis, care planning, implementation and evaluation. **C1, C2, C3, C4, C5, C7, C8, C9, C10, HP1, HP2, HP3, HP4, HP5, CM2, CM3, PC1, PC2, PC3, PC4, PC5**
3. Demonstrate the proper instrumentation technique for select assessment and debridement instruments appropriate to an intermediate level of development. **C3, C9, C10, PC2, PC4, PC5**
4. Demonstrate appropriate knowledge and skills in the provision of ancillary dental hygiene procedures. **C2, C3, C4, C8, C9, C10, HP1, HP2, HP4, PC2, PC4, PC5**

Course Objectives:

At the completion of the series of lectures, demonstrations, clinical skills workshops and clinical practice, the student will be able to perform the following:

Lecture and Clinical Skills Workshops:

1. Formulate a treatment plan best suited to the patient's needs by utilizing the patient's medical and dental history, risk assessment, vital signs, intra and extra-oral inspection, radiographic surveys, and periodontal evaluation. **C1, C3, C4, C4, C10, HP1, HP2, HP3, HP4, PC1, PC2, PC3**

2. Treat patients presenting with various levels of difficulty, encompassing the areas of: patient assessment, patient education, complete prophylaxis, radiography and expanded functions. **C1, C3, C4, C4, C8, C10, PC1, PC2, PC3, PC4, PC5**
3. Identify treatment and educational modifications necessary to meet the needs of individuals with physical, mental, behavioral and medical conditions and limitations in a clinical setting. **C1, C3, C4, C8, C9, C10, HP2, HP3, HP4, PC1, PC2, PC3**
4. Recognize the benefits of oral risk assessment as it relates to patient education, treatment and therapeutic outcomes. **C3, C4, HP1, HP2, HP3, HP4, PC1, PC2, PC3, PC4, PC5**
5. Demonstrate and initiate appropriate emergency procedures when needed during patient treatment. **C2, C3, C4, HP4, PC4**
6. Recognize and explain the factors to be considered when selecting teeth for sealant application. **C3, C4, HP1, HP4, PC1, PC2, PC3**
7. Demonstrate the correct clinical technique for applying pit and fissure sealants. **C3, C4, C10, PC4, PC5**
8. Demonstrate the steps for preparing for the administration of local anesthesia. **C2, C7**
9. Describe the technique for periodontal debridement. **C4, PC4**
10. Describe the etiology, signs and symptoms, oral and physical characteristics, treatment modifications, risk factors and precautions in dental management of patients with special needs. **C4, HP4, HP5, PC1, PC2, PC3**
11. Recognize and manage the oral manifestations related to the physical and behavioral disability when providing dental treatment. **C3, C4, C10, HP2, HP3, HP4, HP5, PC1, PC2, PC3, PC4**
12. Provide a self-assessment of their clinical skills by writing journals describing personal experiences. **C5**
13. Demonstrate procedures for oral hygiene care of patients on bedridden and partially ambulatory patients in the hospital ward setting. **C10, HP1, HP2, HP4, HP5, CM3, PC4**
14. Provide preventive dental health services for outpatient and inpatients in a hospital dental setting. **C10, HP1, HP2, HP3, HP4, CM3, PC4**
15. Participate in the organization and/or implementation of a community outreach activity to promote oral health. **C6, CM2, CM3**
16. Reflect through journal writing (after attending an American Dental Hygiene Association State Conference), the personal professional standards specific to the practice of dental hygiene. **C1, PG2**
17. Interpret and analyze a variety of case studies comprised of a variety of patients of the following types: geriatric, adult-periodontal, pediatric, special needs, and medically compromised. **C4, C10**
18. Apply a five-step model of gathering, assessing data for oral risk concerns. **C3, C4, C9, HP4, PC1, PC2, PC3, PC4, PC5**
19. Compare and contrast scaling, root planing and debridement strokes. **C4, HP5**
20. Demonstrate the correct technique for application of dentinal desensitization agents, such as fluoride varnish. **C10, HP4, PC4**
21. Demonstrate the correct technique for assembling, loading, capping and discarding an anesthetic syringe. **C2, C7, HP5**
22. Discuss the use and preparation of the piezoelectric ultrasonic in the dental hygiene plan to facilitate and enhance periodontal debridement. **C3, C4, PC2, PC4**
23. Compare and contrast scaling, root planing and debridement strokes. **C4, HP5**
24. Demonstrate the necessary steps of an intra-oral camera to help capture oral images and conditions in a patient's mouth. **C9, PC1**
25. Demonstrate the correct technique to assemble and place Oraquix. **C2, C7, C10, HP4, HP5, PC4**
26. Recognize the benefits of oral risk assessment as it relates to patient education, treatment and therapeutic outcomes. **C3, C4, HP1, HP2, HP3, HP4, PC1, PC2, PC3**

27. List and describe the oral health needs of the infant and child. **C4, HP3**
28. Describe behavior management techniques utilized with pediatric patients. **C8, C10, HP5**
29. Describe the role of the dental hygienist in the care and treatment of oral cancer patients. **C4, C6, HP1, HP2, HP3**
30. Identify the oral and systemic side effects of surgery, chemotherapy and radiation therapy in the treatment of oral cancer. **C3, HP3**
31. Demonstrate the ability to communicate effectively with other members of an interprofessional health care team including family. **C3, C4, CM1, PC1, PC2, PGD2**
32. Collaborate with other health care professionals and social workers to develop safe and successful treatment outcomes for individuals with specific health care needs. **C3, C4, CM1, PC1, PC2, PGD2**

CLINIC:

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

1. Prevent transmission of disease by utilizing standardized infection control protocols. **C2, C7, HP5**
2. Take a health history to use in planning dental hygiene care and prevent harm to the patient, operator and others. **C4, C8, HP2, HP3, HP4, PC1, PC2, PC3**
3. Measure and record a patient's vital signs. i.e.: pulse, respiration and blood pressure. **C3, HP4, PC1**
4. Position the patient and self for effective patient treatment and proper ergonomics. **C3, C10, HP4, HP5, PC2**
5. Recognize normal and abnormal oral conditions by performing a thorough oral inspection. **C3, HP4, HP5, PC1, PC2**
6. Perform a gingival assessment, recognizing signs of health and disease. **C9, HP4, PC1, PC2**
7. Perform a periodontal assessment recognizing signs of health and disease. **C9, HP4, PC1, PC2**
8. Identify various tooth deposits and stains. **C4, PC1, PC2**
9. Collect and analyze assessment data to identify risk factors for systemic and oral disease (i.e., dental caries, periodontal disease, and oral cancer). **C4, C9, HP3, HP4, PC1, PC2**
10. Develop individualized dental hygiene care plan based on the patient's assessment data and comprehensive oral risk assessment. **C3, C4, C8, C9, HP3, HP4, PC1, PC2, PC3, PC4, PC5**
11. Identify and record existing dental conditions utilizing the appropriate instruments and patient's radiographs. i.e.: restorations, dental caries, occlusion and missing teeth. **C3, C9, HP4, PC1, PC2**
12. Utilize plaque and gingival bleeding indices as a motivational tool in patient education. **C4, C8, HP4, PC1, PC2, PC5**
13. Expose, process and interpret dental radiographs (Both film and Digital). **C2, C4, C7, HP5, PC1, PC2, PC3**
14. Utilize a dental hygiene care plan, appointment and recall intervals for each individual patient. **C1, C3, C8, C9, C10, HP2, HP4, PC1, PC2, PC3, PC5**
15. Provide patient education that is individually tailored to attain and maintain oral health. **C3, C4, C8, PC2, PC3**
16. Perform periodontal debridement through scaling and root planning without traumatizing hard and/or soft tissue. **C10, HP5, PC4**
17. Perform a sequence of instrumentation used during calculus removal. **HP1, HP5, PC1, PC2, PC3, PC4, PC5**
18. Remove plaque and stain by utilizing a hand piece and prophylaxis angle. **C3, PC4**
19. Remove hard and soft deposits from dental appliances. **HP4, PC4**
20. Sharpen and recontour instruments by applying knowledge of instrument design. **C4**

21. Demonstrate proficiency in the use and care of hand piece and other adjunct instruments. **C4, HP5, PC4**
22. Demonstrate oral physiotherapy devices used as adjuncts to oral prophylaxis and oral hygiene care. **C8, HP2, HP4, PC3**
23. Evaluate the oral prophylaxis utilizing the explorer air and disclosing solution. **C5, PC5**
24. Apply topical fluoride to the dentition. **C4, HP4, HP5, PC4**
25. Apply topical anesthetic. **C10, HP5, PC4**
26. Administer and/or assist in administering emergency care to patients. **HP4, PC4**
27. Operate the autoclave sterilizing equipment. **C4, C7, HP5**
28. Manage the radiology and sterilizing departments efficiently. **C2, C7, HP5**
29. Maintain patient records accurately. **C1, C2, C9, PC3**
30. Implement dental dietary analysis for diet modification as it relates to the initiation and progression of caries. **C3, C8, C10, HP2, HP4, PC3, PC4**
31. Assess a patient's dental disease status as it relates to nutrition and make appropriate recommendations to improve a patient's oral health. **C3, C8, C10, HP2, HP4, PC3, PC4, PC5**
32. Demonstrate the knowledge and skills needed to prepare, take, and remove alginate impressions and bite registration. **C4, HP5, PC4**
33. Utilize the biological monitoring system and reads the indicators effectively. **C2, C4, C7**
34. Demonstrate the use of specific ultrasonic insert tips. **C4, PC4**
35. Demonstrate the use of subgingival irrigation and determine the appropriate time in the treatment sequence to utilize antimicrobial therapy. **C4, C10, PC1, PC2, PC3, PC4, PC5**
36. Identify and provide comprehensive care for a periodontally involved patient to be presented as a Periodontal Case study in the fourth semester. **C3, C4, C5, C8, C19, C10, PC1, PC2, PC3, PC4, PC5**
37. Identify patient management techniques while exposing the panograph radiograph. **C2, C3**
38. Demonstrate the ability to properly interpret the panograph radiograph. **C4, PC1, PC2**
39. Demonstrate when indicated advanced methods of fulcruming in order to establish increased access and parallelism. **C3, C4, HP5, PC1, PC2, PC3**
40. Recognize and explain the factors to be considered when selecting teeth for sealant application. **C1, C3, C4, C7, C8, C10, HP1, HP4, PC1, PC2, PC3**
41. Demonstrate the correct clinical technique for applying pit and fissure sealants. **C2, C3, C4, C10, PC4, PC5**
42. Recognize and manage the oral manifestations related to the physical and behavioral disability when providing dental treatment. **C3, C4, C10, HP2, HP3, HP4, HP5, PC1, PC2, PC3, PC4**