

Course discipline/number/title: DH 2541: Dental Hygiene Practice IV**A. CATALOG DESCRIPTION**

1. **Credits:** 6
2. **Hours/Week:** 12 hours clinical
3. **Prerequisites (Course discipline/number):** DH 2531
4. **Other requirements:** None
5. **MnTC Goals (if any):** NA

B. COURSE DESCRIPTION: This course is a continuation of Dental Hygiene Practice III with supervised clinical experience and a weekly seminar. Students will apply basic and advanced theories, functions and procedures necessary for comprehensive client treatment.

C. DATE LAST REVISED (Month, year): December, 2023

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Medical/dental history and assessment
2. Treatment planning
3. Radiography
4. Dental charting
5. Intra/extra oral exam
6. Periodontal assessment
7. Scaling and periodontal debridement
8. Selective polishing
9. Apply topical medications (topical fluoride, desensitizing agents, and bleaching agents)
10. Oral health education and nutritional assessments
11. Pit and fissure sealants
12. Mechanical scalers
13. Instrument sharpening
14. Local anesthesia and nitrous oxide sedation
15. Impressions and bite registration
16. Fabrication and delivery of custom fitted trays
17. Infection control
18. Risk management
19. Interprofessional collaboration

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Develop a comprehensive dental hygiene treatment plan.
2. Develop oral hygiene/education sessions appropriate to client needs including nutritional analysis.
3. Demonstrate the use of basic and auxiliary plaque control agents.
4. Perform periodontal assessment on clinic clients.
5. Perform dental charting on clinic clients.
6. Apply the standards of practical infection control.
7. Perform a comprehensive client assessment.
8. Apply the principles of periodontal instrumentation on clinic clients.
9. Perform selective polishing and topical fluoride treatments on clinic clients.
10. Integrate theoretical concepts with practical application skills.
11. Evaluate and sharpen instruments as necessary.
12. Demonstrate the use of medical/dental references when assessing client's medical histories.
13. Increase measured proficiency in comprehensive dental hygiene treatment for all categories of periodontal disease.
14. Manage the treatment/dental emergencies with rational processes.
15. Integrate client health history and special needs into their treatment plan.
16. Evaluate and recommend clients for and pit and fissure sealants.
17. Treatment plan and expose radiographs/images on clinic clients.
18. Demonstrate proficiency in tooth desensitization and subgingival irrigation.

- E. LEARNING OUTCOMES (GENERAL):** The student will be able to: **continued. . .**
19. Demonstrate proficiency in obtaining impressions, and bite registration.
 20. Administer local anesthesia and nitrous oxide sedation to control pain during treatment.
 21. Fabricate and deliver custom fitted trays for tooth whitening on clinic clients when indicated.
 22. Demonstrate effective communication strategies that foster mutual respect and understanding among professionals from various disciplines.
 23. Analyze the dynamics of interprofessional teams and the importance of shared goals.
 24. Recognize ethical issues that may arise in interprofessional collaborations.
 25. Apply interprofessional collaboration principles to simulated patient cases.
 26. Reflect on individual and team performance in interprofessional collaborations.
 27. Understand the broader healthcare system and how interprofessional collaboration can enhance patient care, safety, and healthcare system efficiency.
- F. LEARNING OUTCOMES (MNTC):** NA
- G. METHODS FOR EVALUATION OF STUDENT LEARNING:** Methods may include but are not limited to:
1. Process evaluations
 2. Clinical patient grades/student and instructor assessments
 3. Radiology client grades
 4. Completion of client and process evaluation requirements
 5. Completion of client competency evaluation requirements
 6. Document and present a comprehensive senior case presentation
- H. RCTC CORE OUTCOME(S).** This course contributes to meeting the following RCTC Core Outcome(s):
- Critical Thinking:** Students will think systemically and explore information thoroughly before accepting or formulating a position or conclusion.
- Communication:** Students will communicate appropriately for their respective audiences.
- I. SPECIAL INFORMATION (if any):**
1. Liability Insurance is provided by RCTC.
 2. Tuition differential is used for supplies.
 3. Uniforms, safety glasses, clinic shoes, and instrument kits.
 4. Current healthcare level CPR certification is needed for course.
 5. HBV vaccine or waiver and other immunizations is needed for course.
 6. Yearly Mantoux test is required for course.
 7. Current medical insurance is required.