

Prepared by the Department of Health Sciences
Date of Departmental Approval: January 18, 2018
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Effective: Fall 2018

1. **Course Number:** DEN121
Course Title: Dental Hygiene I
2. **Description:** This course introduces the profession of dental hygiene, the dental hygiene code of ethics, principles of infection and exposure prevention, and the CDC Bloodborne Pathogens Standard. The dental hygiene process of care with an emphasis on the assessment phase is presented. Oral hard and soft deposits are discussed with an introduction to safety and emergency procedures. Oral health education, oral physiotherapy techniques, oral hygiene indices are introduced. Extrinsic stain removal and fluoride theories are discussed.
3. **Student Learning Outcomes (Intellectual Skills):** At the completion of this course the dental hygiene student will have begun to develop the following knowledge, skills and values as they relate to the profession of dental hygiene and the dental hygiene process of care.
 1. Discuss dental hygiene as a profession.
 2. Discuss the dental hygiene process of care.
 3. Begin to apply the dental hygiene code of ethics to ethical issues/dilemmas.
 4. Accurately discuss and apply the principles of infection and exposure prevention and the CDC Bloodborne Pathogens Standard and Hazards Communication Standard to the practice of dental hygiene.
 5. Discuss and comply with federal, state and local standards and regulations for the dental workplace. Include HIPAA compliance.
 6. State the significance and identify the essential components of a comprehensive patient health history.
 7. Recognize verbal and written responses to the health questionnaire that require modification/contraindications to treatment and medical or dental consultation and/or patient referral.
 8. Discuss the significance of assessing vital signs; accurately assess vital signs on a fellow student, and evaluate findings relative to the need for referral and/or consultation.
 9. State the significance and identify the essential components of an extra and intra oral examination (oral cancer exam, OCE).
 10. Discuss and describe the technique and documentation of both normal and abnormal findings for an oral cancer exam.
 11. Discuss the development of dental plaque biofilm and its relationship to dental caries, calculus and periodontal disease.
 12. Discuss the dental caries process.
 13. Accurately perform dental charting exercises.
 14. Discuss and describe the significance, evaluation, classification and documentation of occlusion. Include Angle's classification system.
 15. Discuss the significance, components, formation, detection and removal of dental calculus.
 16. Recognize and classify dental stains; determine if they can be removed and discuss methods/agents for removal.
 17. Explain the concept of extrinsic stain removal. Differentiate cosmetic and therapeutic polishing.
 18. Identify and describe the components of both the periodontium and a periodontal assessment. Accurately chart the periodontium including probe readings, bleeding points, mobility, wear facets, and drawing of the free gingival margin.
 19. Identify and describe the periodontium relative to health/disease, and acute versus chronic disease characteristics.
 20. Discuss the concepts of risk assessment, disease prevention and health promotion. Include the concepts of health and wellness.
 21. Describe the components of effective communication and apply instructional principles to oral health education.
 22. Discuss, differentiate and appropriately apply the various types of interdental devices, manual/power toothbrushes, and tooth brushing methods based on patient need.
 23. Discuss, differentiate and appropriately apply dentifrices based on patient need.

24. Discuss and differentiate systemic and topical applications of fluoride.
25. Define, discuss and differentiate self-applied and professionally applied topical fluoride agents. Include fluoride toxicity.
26. Discuss the proper techniques for topical fluoride application.
27. Discuss and demonstrate basic safety and medical emergency equipment and procedures.
28. Describe and discuss ergonomics for the dental hygienist
29. Define the oral hygiene and DMFT indices

4. **Credits:** 2 credits

5. **Satisfies General Education Requirement:** No

6. **Prerequisites:** ENL108 (Critical Reading & Thinking) or satisfactory basic skills assessment score; CHM109 (Chemistry for the Health Sciences I)

7. **Semester Offered:** Fall

8. **Suggested General Guidelines for Evaluation:** A grade of C (75%) is required to pass this course. Evaluation methods will include 3 quizzes and 2 exams. An understanding of ethical principles are explored via a written assignment based on a personal ethical issue/dilemma.

9. **General Topical Outline:**

Week 1	Introduction to course History of Dental Hygiene Professional and Ethical Behavior
Week 2	Ergonomics Exposure prevention
Week 3	Infectious disease
Week 4	Health history Vital signs
Week 5	Extra and Intra Oral Examination
Week 6	Dental Charting Classification of caries
Week 7	Occlusion Parafunctional habits
Week 8	Oral Infection Control
Week 9	Gingival Description Periodontal Assessment
Week 10	Deposit classification
Week 11	Extrinsic Stain Removal
Week 12	Ethical Case Study assignments
Week 13	Introduction to Fluoride
Week 14	Oral Health Presentations Introduction to Dental Hygiene Diagnosis