

Course Outline for: DENH 1140 Pre-Clinic Theory**A. Course Description**

1. Number of credits: 3
2. Lecture hours per week: 3
3. Prerequisites: Acceptance in Dental Hygiene Program
4. Corequisites: DENH 1141
5. MnTC Goals: None

Introduction to the fundamentals of dental hygiene care. Emphasis on infection control, patient assessment, emergencies, the special needs patient, periodontal disease process, patient self-care, and dental deposits. Practical application experience in pre-clinical skill development.

B. Date Last Reviewed/Updated: January 2022**C. Outline of Major Content Areas**

1. Personal Protective Equipment
2. Basic Instrument management
3. Medical/Dental History
4. Vital Signs
5. Emergencies in the dental environment
6. Extra Oral and Intra Oral examination
7. Oral Lesions /Cancer
8. Parts of the Periodontium
9. Clinical Features of the Gingiva
10. Dental Charting/Records
11. Deposits of the Teeth
12. Plaque biofilm
13. Calculus
14. Stain
15. Gingival and Periodontal Diseases
16. Patient Self-Care
17. Communication Skills
18. Topical Fluoride
19. Interdental Care/Flossing
20. Oral Physiotherapy Aids

21. Special Needs Patients
22. Infection Control in the dental setting

D. Course Learning Outcomes

Upon successful completion of this course, the student will be able to:

1. Identify a variety of aspects related to the Profession of Dentistry and Dental Hygiene.
2. Recognize the various word parts of medical and dental terms.
3. Review the steps of infection control associated with the dental environment.
4. Discuss the importance of the components of the Medical/Dental History Form.
5. Establish a routine to assess/categorize vital signs on all dental clients.
6. Identify physical symptoms, causes, preventive measures, and remedies for emergency situations in the dental setting.
7. Locate each of the intra-oral and extra-oral structures.
8. Review various lesions of the head and neck region.
9. Identify the proper steps of completing the Intra-Extra Oral Exam.
10. Recognize the various components of the Dental Chart.
11. Identify the parts of the periodontium in both healthy and diseased states.
12. Describe the various deposits that are found on the dentition.
13. Review various oral hygiene homecare products for clients and/or their caretakers.
14. Identify a variety of communication skills that can be used during the dental appointment.
15. Discuss the dental hygiene appointment sequence.
16. Identify the medical considerations, barriers to care, and treatment modifications associated with the treatment plan for the special needs patient.
17. Review the various types of cardiovascular diseases and the impact of the conditions on the systemic and oral health of the dental patient.
18. Review a variety of blood disorders and the effect they may have on the dental patient.
19. Discuss the variety of changes that the female patient may experience during the first, second, and third trimester of pregnancy.
20. Outline a variety of topics that pertain to the child patient as their oral development progresses.
21. Discuss the various changes and treatment considerations for the Adolescent patient.
22. Examine the various changes associated with the aging process.
23. Describe the various clinical characteristics and treatment modifications for the patient with a Cleft Lip or Cleft Palate.
24. Discuss the various services that can be provided to the homebound dental patient.

25. List a variety of cancers and the treatment considerations with these conditions.
26. Describe the various symptoms, side-effects, and complications associated with the various forms of Diabetes.
27. Review the various types of mental health disorders and the associated oral manifestations that may be found.
28. Identify the various types of eating disorders and the symptoms associated with these conditions.
29. Describe a variety of substance related disorders and the problems with these conditions as it relates to oral health.
30. Classify the various endocrine organs and how their imbalance can affect oral health.
31. Discuss Women's Health Issues and their effect on the oral cavity.
32. Assess the condition of Xerostomia by reviewing the causes, associated symptoms, and treatment modalities.
33. Identify the various conditions associated with respiratory diseases.
34. Summarize information and concepts related to seizure disorders.
35. Discuss topics associated with a variety of Sensory impairments.
36. Interpret the value of evidence-based research as they provide dental hygiene care to their patients.

E. Methods for Assessing Student Learning

1. Exams
2. Course Assignments

F. Special Information

None