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Dental Hygiene (DN TL) 1514 Introduction to Clinic (5.5 Units) CSU
[formerly Dental Hygiene 14]

Prerequisite: Acceptance into Dental Hygiene Program

Total Hours: 48 hours lecture; 128 hours lab (176 hours total)

Catalog Description: Introduction to all clinical procedures and skills needed for Dental Hygiene.

Type of Class/Course: Degree Credit

Text: Wilkins, Esther. *Clinical Practices of the Dental Hygienist*. 12th ed. Philadelphia: Wolters Kluwer, 2016. Print.

Nield-Gehrig, J.S., *Fundamentals of Periodontal Instrumentation: Advanced Root Instrumentation*. 7th Edition. Philadelphia: Williams & Wilkins, 2008. Print.

The Chairside Instructor: *A Pictorial Guide to Case Presentation*, American Dental Association, 1999.

Wilkins, Esther and Charlotte J. Wyche. *Student Workbook for Clinical Practice of the Dental Hygienist*. Philadelphia: Lippincott Williams & Wilkins, 2005. Print

Course Objectives:

By the end of the course, a successful student will be able to

1. demonstrate a practical knowledge of oral health care and explain the role of the dental hygienist,
2. explain asepsis and apply proper infection control,
3. demonstrate a working knowledge of the parts of the dental chair and the dental unit,
4. identify the parts of the dental chair, unit, stool and other equipment,
5. sterilize instruments and supplies used in the dental hygiene clinic,
6. demonstrate the correct method of hand washing and aseptic technique,
7. record a medical-dental history and discuss any clinical adaptations that may be necessary,
8. demonstrate the correct positioning of the patient and the hygienist for all hygiene procedures,
9. demonstrate correct retraction and lighting for the oral cavity,
10. identify and locate the normal structures of the oral cavity using a mouth mirror,
11. complete an oral inspection on a student partner and on selected patients using a mouth mirror and sterile gauze,

12. demonstrate and explain various methods of tooth brushing,
13. demonstrate the correct use of the mouth mirror, explorer and scaling instruments,
14. clinically utilize correct polishing and fluoride treatment procedures,
15. demonstrate correct procedures for sharpening dental hygiene scaling instruments, and
16. demonstrate correct appointment and follow-up recall procedures.

Course Scope and Content:

Unit I The Evolution of the Dental Hygiene Profession

- A. Rules and Regulations
- B. Ethics and Professionalism

Unit II Transmissible Diseases

- A. Standard Precautions
- B. Personal Protective Equipment
- C. Hand washing

Unit III Exposure Control

- A. Barriers
- B. Aseptic Technique
- C. Clinical Procedures

Unit IV Extraoral Examinations

- A. Physical Evaluation
- B. Lymph Node Palpation

Unit V Health Histories

- A. Vital Signs
- B. Using the Physicians' Desk Reference (PDR)

Unit VI Intraoral Examinations

- A. Intraoral Anatomy
- B. The Gingiva
- C. The Teeth
- D. Occlusion

Unit VII Bacterial Plaque, Calculus and Periodontal Disease

- A. Progression of Disease
- B. Periodontal Abscesses
- C. Acute Necrotizing Ulcerative Gingivitis (ANUG)

Unit VIII Introduction to Instrumentation

- A. The Mirror and Explorer

Unit IX Dental Histories

- A. The Dentition
- B. Restorations
- C. Classification of Occlusion
- D. Recession and Sensitivity

Unit X Instrumentation

- A. The Probe
- B. The Universal Curette
- C. The Sickle
- D. Area Specific Curettes, Graceys

Unit XI Oral Hygiene Instruction

- A. The Personal Plaque Index (PPI)
- B. Brushing Techniques
- C. Proper Flossing
- D. Individualized Oral Hygiene Instruction (OHI)

Unit XII Stains, Polishing and Fluoride Treatment

- A. Types of Stains
- B. Fundamentals of Polishing
- C. Fluoride Application

Unit XIII Calculus Code and Periodontal Typing

- A. Charting Calculus
- B. Periodontal Charting
- C. Determining Code and Type

Unit XIV Hoes, Files and Ultrasonics

- A. Debridement with Mechanized Instruments
- B. Ultrasonic Instrumentation
- C. Ultrasonic Equipment

Unit XV Instrument Sharpening

- A. Principles of Sharpening
- B. Graceys
- C. Universisals
- D. Sickles

Unit XVI The Dental Hygiene Treatment Plan

- A. Priority of Treatment
- B. Risk Factors
- C. Treatment Sequencing
- D. Recalls and Re-Evaluations

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 6 hours per week outside of the regular class time doing the following:

- 1. Independent reading
- 2. Studying
- 3. Instrument practice on typodonts

Methods of Instruction:

- 1. Laboratory projects
- 2. Lectures
- 3. Class discussion
- 4. Audio-visual presentations
- 5. Laboratory demonstrations - using chair-mounted, simulated heads with typodonts
- 6. Clinical examination of patient-student partners and selected patients
- 7. Clinical practice and application of typodont and/or of lecture material

Methods of Evaluation:

- 1. Examinations and quizzes, including:
 - a. multiple choice items
 - b. matching items
 - c. true/false items
 - d. essay questions
 - e. short answer items
- 2. Practical examination demonstrating correct instrument use
- 3. Demonstration of professional behavior
- 4. Completion of performance evaluations for specified instruments and procedures