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

Prerequisite: Acceptance into Dental Hygiene Program

Hours and Units Calculations:

48 hours lecture. (96 Outside of class hours); 128 hours lab (224 Total Student Learning Hours) 5.5 Units

Catalog Description: Introduction basic clinical skills and techniques procedures and skills for the Dental Hygiene Process of Care.

Type of Class/Course: Degree Credit

Textbook:

Wilkins, Esther M. *Clinical Practice of the Dental Hygienist*. 12th ed. Philadelphia: Williams, 2017.

Nield-Gehrig, J.S., *Fundamentals of Periodontal Instrumentation: Advanced Root Instrumentation*. 8th ed. Philadelphia: Williams, 2019.

Additional Required Materials: none

Course Objectives:

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

1. understand oral health and how it relates to total health,
2. explain the role of the dental hygienist,
3. understand asepsis and practice proper infection control procedures to include Standard Precautions,
4. demonstrate a working knowledge of the components of the dental chair, clinician's chair, and the dental unit,
5. demonstrate steps for processing and sterilizing instruments,
6. demonstrate proper hand hygiene, aseptic technique, and the use of Personal Protective Equipment,
7. demonstrate proper ergonomics to include the correct positioning of the patient and the hygienist for all hygiene procedures,
8. perform clinical procedures on student partners that include: extra-oral inspections, intra-oral inspections, medical histories, dental histories, biofilm index, restorative charts, quadrant probes, deposit assessments, and coronal polish and
9. demonstrate basic fundamentals of instrument use: mouth mirror, explorer, probe, and scaling instruments including Gracey curets, sickle scalers, and universal curets, on a typodont and student partner
10. demonstrate basic sharpening techniques on dental hygiene scaling instruments, and

11. develop an appropriate treatment plan based on patient's needs.

Course Scope and Content:

- Unit I Orientation to Clinical Dental Hygiene Practice
 - A. Rules and Regulations
 - B. Ethics and Professionalism
 - a. Program Standards and Expectations

- Unit II Transmissible Diseases
 - A. Standard Precautions
 - B. Personal Protective Equipment
 - C. Hand Hygiene

- 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 Drug Information Handbook for Dentistry

- 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. Calculus Code and Periodontal Typing
 - D. Charting Calculus
 - E. Periodontal Charting
 - F. Determining Code and Type

- Unit VIII Introduction to Instrumentation

- A. Mouth Mirror and Lighting
- B. Chair Positioning

Unit IX Dental Histories

- A. The Dentition
- B. Restorations
- C. Classification of Occlusion
- D. Recession, Sensitivity, Abrasion, Attrition, and Erosion

Unit X Instrumentation

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

Unit XI Stains, Polishing and Fluoride Treatment

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

Unit XII Instrument Sharpening

- A. Principles of Sharpening
- B. Armamentarium

Unit XIII The Components of a Dental Hygiene Treatment Plan

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

Course Scope and Content: (Laboratory)

Unit I Transmissible Diseases

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

Unit II Exposure Control

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

UNIT III Instrumentation

- A. Mouth Mirror and Lighting
- B. Chair Positioning

Unit IV Patient Assessment

- A. The Dentition
- B. Restorations
- C. Classification of Occlusion
- D. Recession, Sensitivity, Abrasion, Attrition, and Erosion

Unit V Instrumentation

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

Unit VI Stains, Polishing and Fluoride Treatment

- A. Fundamentals of Polishing
- B. Selective Polishing

VII Instrument Sharpening

- A. Principles of Sharpening
- B. Armamentarium

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 and studying
2. 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
7. Clinical practice and application of typodont and/or of lecture material

Methods of Evaluation:

1. Examinations and quizzes
2. Instrumentation practicums
3. Demonstration of professional behavior
4. Successful Completion of clinical performance evaluations

Laboratory Category: Extensive Laboratory

Pre delivery criteria: All of the following criteria are met by this lab.

1. Curriculum development for each lab.
2. Published schedule of individual laboratory activities.
3. Published laboratory activity objectives.
4. Published methods of evaluation.
5. Supervision of equipment maintenance, laboratory setup, and acquisition of lab materials and supplies.

During laboratory activity of the laboratory: All of the following criteria are met by this lab.

1. Instructor is physically present in lab when students are performing lab activities.
2. Instructor is responsible for active facilitation of laboratory learning.
3. Instructor is responsible for active delivery of curriculum.
4. Instructor is required for safety and mentoring of lab activities.
5. Instructor is responsible for presentation of significant evaluation.

Post laboratory activity of the laboratory: All of the following criteria are met by this lab.

1. Instructor is responsible for personal evaluation of significant student outcomes (lab exercises, exams, practicals, notebooks, portfolios, etc.) that become a component of the student grade that cover the majority of lab exercises performed during the course.
2. Instructor is responsible for supervision of laboratory clean-up of equipment and materials.

Supplemental Data:

TOP Code:	124020: Dental Hygienist
SAM Priority Code:	C: Clearly Occupational
Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)

Program Status:	1: Program Applicable
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	NO
Taft College General Education:	NONE
Discipline:	Dental Technology