

Course Outline for: DENH 1161 Accelerated Dental Materials

A. Course Description

1. Number of credits: 1
2. Lab hours per week:
3. Prerequisites: Acceptance in the Dental Hygiene Program; graduate from an accredited Dental Assisting Program; Minnesota Licensed Dental Assistant; petition out of DENH 1160; successfully complete a written and performance evaluation (see course instructor for specific details); CHEM 1050, DENH 1140, DENH 1141
4. Corequisites: None
5. MnTC Goals: None

The advanced study, demonstration, and manipulation of materials used in dental and dental hygiene procedures.

B. Date Last Reviewed/Updated: January 2022

C. Outline of Major Content Areas

1. Infection Control and Lab Safety
2. Gypsum Materials
3. Impression Materials
4. Dental Amalgam
5. Margination Procedures
6. Polishing Materials and Abrasion
7. Pit and Fissure Sealants
8. Tooth Whitening / Mouth Protectors
9. Interim Restorations (Atraumatic Restorative Technique)
10. Gingival Displacement Techniques
11. Silver Diamine Fluoride
12. Isolation Techniques

D. Course Learning Outcomes

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

1. Understand the physical, chemical and biologic properties of the specific dental materials addressed by this course.
2. Relate the physical, chemical, and biologic properties to the selection, handling, and care of dental materials used within the scope of dental hygiene practice.

3. Recognize, select, and apply dental materials used in preventive and therapeutic dental procedures to provide quality patient care that is within the licensed dental hygienists scope of practice.
4. Demonstrate current, acceptable infection control and safety procedures in the laboratory and clinical settings when using a given dental material or providing dental hygiene services.

E. Methods for Assessing Student Learning

1. Assignments
2. Exams
3. Lab requirements and evaluations

F. Special Information

None