

Course Objectives/Course Outline

Spokane Community College

Course Title: EFDA Amalgam Lab

Prefix and Course Number: Dent 145

Course Description:

The following objectives and content focuses on the, laboratory components of the amalgam curriculum to include: armamentarium including various matrices, classification of restorations; components of the prepared tooth; materials, composition of amalgam, advantages and disadvantages, indications and contraindications; placement, condensing and carving; evaluation of restoration; occlusal adjustment.

Course Learning Outcomes:

By the end of this course, a student should be able to:

The successful student will meet the following objectives and demonstrate an understanding of the facts, principles and techniques in this course.

Laboratory:

- Prepare the amalgam procedure armamentarium.
- Follow amalgam safety protocol.
- Demonstrate efficient and effective placement of matrix and wedge.
- Prepare and place dental materials.
- Demonstrate trituration of amalgam.
- Place, condense and carve restorations.
- Evaluate the restoration according to the established criteria including: a well adapted, functionally correct, esthetically pleasing and harmonious anatomy.

Students may be assessed as to existing knowledge and performance. Instruction may be modified to address individual level of proficiency.

Course Outline:

- I. Armamentarium
- II. Matrices, retainers and wedges
- III. Tissue management
- IV. Cavity Classifications
 - A. Class I
 - B. Class II
 - C. Class III
 - D. Class IV
 - E. Class V
 - F. Class VI
- V. Cavity preparation terminology
- VI. Bonding, bases and liners
- VII. Physical properties of amalgam
 - A. Safety protocol
 - B. MSDS protocol
- VIII. Patient management
- IX. Moisture control and contamination prevention of the cavity preparation.
- X. Place, condense and carve amalgam restoration
 - A. advantages/disadvantages

- B. indications/contraindications
- XI. Occlusal relations
 - A. Check
 - B. Adjust
- XII. Evaluate restoration.
- XIII. Post-operative instructions.