

Course Objectives/Course Outline
Spokane Community College

Course Title: EFDA Composite Lab

Prefix and Course Number: Dent 152

Course Description:

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

Course Learning Outcomes:

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

Objectives:

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

Laboratory:

- Prepare composite armamentarium.
- Demonstrate efficient and effective placement of matrix and wedge.
- Prepare and place assigned dental materials.
- Place and finish composite restorations.
- Place and finish glass ionomer/composer restorations.
- Evaluate the restoration according to established criteria to include: adaptability, functionally correct, esthetically pleasing and harmonious anatomy.

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

Course Outline:

- I. Armamentarium
- II. Matrices, retainers and wedges.
- III. Tissues 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, liners, and sealers.
- VII. Rationale for placing composite restorations.
- VIII. Classifications of composite resin materials.
 - A. Uses
 - B. Advantages/disadvantages
 - C. Indications/contraindications.
- IX. Glass ionomers and compomers.
 - A. Placing

- B. Finishing
- X. Physical properties of composites/glass ionomers/comonomers
 - A. Shrinkage
 - B. Thermal expansion
 - C. Wear resistance.
- XI. Shade selection.
- XII. Moisture control and contamination prevention.
- XIII. Steps for placing and finishing composite restoration
- XIV. Occlusal relations
 - A. Check
 - B. Adjust
- XV. Evaluate restoration.
- XVI. Post operative instructions