

**Course Objectives/Course Outline  
Spokane Community College**

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**Course Title:** EFDA Composite Clinical

**Prefix and Course Number:** Dent 154

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**Course Description:**

The following objectives and content focuses on the clinical 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:**

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

***Clinical:***

- Prepare composite armamentarium.
- Ensure moisture control and non-contamination of the cavity preparation during the procedure.
- Demonstrate proper placement of matrix and wedge.
- Prepare and place assigned dental materials.
- Place and finish composite restorations.
- Place and finish glass ionomer/compomers restorations.
- Evaluate restorations according to established criteria including: well adapted, functionally correct, esthetically pleasing, and harmonious anatomy.
- Provide post-operative instructions.

**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