

**DLT 224**  
**DENTAL LAB PRACTICE**

**COURSE DESCRIPTION:**

Prerequisites: DLT 118, DLT 126, DLT 211, DLT 217, and all required General Education courses for the degree

Corequisites: DLT 215, and DLT 222

This course provides practical experience in the commercial laboratory setting. Emphasis is on all laboratory techniques pertaining to the specialty area. Upon completion, students should be able to function effectively in the commercial dental laboratory environment. Course Hours Per Week: Work Experience, 20. Semester Hours Credit, 2.

**LEARNING OUTCOMES:**

The student will be expected to demonstrate as many of the following job duties/competencies as appropriate while attending off-campus clinical activities.

- I. Cognitive skills:
  - a.

- r. Block-out and duplicate casts for removable partial denture frameworks.
- s. Invest patterns for complete and partial dentures.
- t. Set teeth for complete dentures.
- u. Set teeth for removable partial dentures.
- v. Selectively grind artificial teeth.
- w. Finish and polish acrylic restorations.
- x. Reline, rebase, and repair dentures or partials.
- y. Construct wrought-wire clasps.
- z. Contour orthodontic clasps and arch wires.
- aa. Finish and polish orthodontic appliances.

## **OUTLINE OF INSTRUCTION:**

- I. Laboratory safety
  - a. OSHA
  - b. Appropriate clothing
  - c. Eye safety
  - d. Cross-contamination awareness
  
- II. Laboratory procedures
  - a. Complete denture techniques
  - b. Partial denture techniques
  - c. Crown and bridge techniques
  - d. Ceramic techniques
  - e. Orthodontic techniques

## **REQUIRED TEXTBOOKS AND MATERIALS:**

Wheeler. An Atlas of Tooth Form. 5th edition. Saunders.

Sowter. Dental Anatomy. U.N.C. Press.

Linek. Tooth Carving Manual. Columbia Dental Form.

Leinfelder. Laboratory and Clinical Dental Materials. U.N.C. Press, reprinted with permission.

Sowter. Removable Prosthodontic Techniques. U.N.C. Press.

U.S.A.F. Dental Laboratory Technology. Volumes I, II, and III, U.S. Government Printing Office.  
All Handouts.

## **STATEMENT FOR STUDENTS WITH DISABILITIES:**