

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: DNL 135

Credits: 6

Course Title: Introduction to Removable Partial Dentures

Course Description: Introduces students to the principles of surveying and designing of removable partial denture frameworks followed by the fabrication and repair of removable partial dentures. Students will observe fabrication procedure demonstrations and receive one-on-one instruction during part of the laboratory sessions. Lecture 3 hours. Laboratory 9 hours. Total 12 hours per week.

General Course Purpose: Students must demonstrate skills in dental laboratory fabrication in removable partial dentures in order to function as a dental technician in a commercial dental laboratory.

Course Prerequisites and Co-requisites:

Prerequisites: General admission to the college. Students must pass all placement tests and interview with the program head in order to determine interest, motivation, and aptitudes in dental lab technology.

Course Objectives:

Upon completing the course, the student will be able to:

- a. Understand the principles of removable partial denture design, fabrication, and repair;
- b. Describe the specialized equipment used in removable partial denture fabrication and repair;
and
- c. Demonstrate an understanding of appropriate undercuts, both tooth and soft tissue, and decide which may be used for RPD fabrication.

Major Topics to Be Included:

- a. Surveying and designing removable partial denture frameworks
- b. Undercut, relief, and cast tilting
- c. Duplication methods and materials, cast duplication
- d. Design transfer to the duplicate (refractory) cast
- e. Wax up to correspond to the design on the refractory cast
- f. Investing, burn out, and casting
- g. Finishing and polishing of the metal framework
- h. Repair of framework

Effective Date of Course Content Summary: August 22, 2008