

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

Course Prefix and Number: DNL 136

Credits: 3

Course Title: Principles of Occlusion

Course Description (including lecture hours, lab hours, total contacts)

Provides a general overview of the masticatory system and the dynamics of mandibular movement. Occlusal restorations are fabricated in wax on a semi-adjustable articulator according to functional criteria. Students observe fabrication procedure demonstrations and receive one-on-one instruction during part of the laboratory sessions. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose

Students must develop skills and knowledge of occlusion concepts and apply these principles during the fabrication of various dental prostheses in the commercial dental laboratory setting.

Course Prerequisites/Corequisites (*Entry-level competencies **required** for enrollment*)

General admission to the college

Course Objectives

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

- a. discuss the basic principles and fundamentals of occlusion.
- b. describe the usage and demonstrate the practical application of articulators.
- c. demonstrate in the laboratory the P.K.T. and Cusp to Fossa functional waxing skills

Major Topics to be Included

- a. Terminology and the Temporomandibular Joint
- b. Fundamental of Occlusion
- c. Articulators
- d. Functional Waxing Techniques

Effective Date of Course Content Summary (Month, Date Year): August 22, 2008