Course Prefix and Number: DNL 137

Credits: 3

Course Title: Orthodontic and Pedodontic Appliances

Course Description: Develops student’s ability to fabricate and repair pedodontic and orthodontic appliances. This laboratory-didactic course utilizes programmed instruction augmented by individualized assistance and demonstration. 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 be capable of fabricating orthodontic and pedodontic appliances in order to function as dental lab technicians in commercial dental laboratories.

Course Prerequisites and Co-requisites:
Prerequisites: General admission to the college. Students must interview with the program head to determine interest, motivation, and aptitudes in dental lab technology.

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

a. Demonstrate a knowledge of the terminology and nomenclature as it relates to orthodontic and pedodontic appliances;

b. Demonstrate proficiency in contouring orthodontic wire;

c. Show proficiency in repairing and constructing basic orthodontic and pedodontic appliances; and

d. Demonstrate knowledge in the various types of malocclusions.

Major Topics to Be Included:

a. Case studies of normal occlusions and malocclusions, work authorizations
b. Fundamentals of wire bending, practice contoured labial and lingual archwires
c. Circumferential, ball, Adams fabrication
d. Soldering and welding techniques
e. Construction of max. Hawley appliance
f. Construction of max. holding, fixed lingual arch and space maintainer
g. Appliance repair
h. Orthodontic study models and concepts of functional appliances

Effective Date of Course Content Summary: August 22, 2008