

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

Course Prefix and Number: DNA 113

Credits: 3

Course Title: Chairside Assisting I

Course Description: Provides instruction on the principles of clinical chairside dental assisting, dental equipment use and maintenance, safety, instrument identification, tray set-ups by procedures, and patient data collection. Emphasizes patient management during restorative procedures. Prerequisite: Completion of courses in the Health Science I Career Studies Certificate. Prerequisites or Co-requisites: DNA 100, DNA 103, DNA 108, DNA 109, and DNA 120. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose: DNA 113 prepares the student to assist with four-handed dentistry techniques, manipulate materials, and to prepare for patient treatment.

Course Prerequisites and Co-requisites:

Prerequisite: Completion of courses in the Health Science I Career Studies Certificate

Prerequisites or Co-requisites: DNA 100, DNA 103, DNA 108, DNA 109, and DNA 120

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Explain why it is important to have a complete up-to-date medical history;
- b. Demonstrate the clinical examination;
- c. Chart the conditions of a patient's mouth using color-coding;
- d. List and explain the six types of classification of cavities;
- e. Help with treatment planning;
- f. Identify the three types of delivery systems;
- g. Give the guidelines for selection of various types of dental equipment;
- h. Demonstrate how to care for and operate dental equipment;
- i. Explain the classifications of motions and demonstrate the criteria for proper positioning;
- j. Properly demonstrate four-handed techniques;
- k. Demonstrate how to manipulate and control all clinical materials while assisting a procedure;
- l. Demonstrate how to properly handle and suction out a patient's mouth using an HVE tip;
- m. Describe the different hand pieces and their use;
- n. Demonstrate how to lubricate a hand piece and attach the bur;
- o. List the instrument and steps in an amalgam and composite procedures;
- p. Identify at least fifty (50) restorative instruments and give their use;
- q. Demonstrate how to properly place a rubber dam in different quadrants; and
- r. Explain the clock concepts of operating zones.

Major Topics to Be Included:

- a. Delivery of dental treatment
- b. Oral diagnosis and treatment planning
- c. Dental instruments and accessories
- d. Restorative and cosmetic dentistry
- e. Moisture control

Date Created/Updated (Month, Day, Year): May 10, 2019