

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

**Course Prefix and Number:** DNA 120

**Credits:** 1

**Course Title:** Community Health

**Course Description:** Studies topics related to community health issues, including identification of specific diseases, symptoms, causes and effects. Emphasizes the promotion of oral health in the community through patient education in oral home care techniques, dietary counseling, plaque control procedures, and application of medicinal agents. Prerequisites: Completion of courses in the Health Science I Career Studies Certificate. Co-requisites: DNA 100, DNA 103, DNA 108, DNA 109, and DNA 113. Lecture 1 hour per week.

**General Course Purpose:** DNA 120 prepares the student to help treat patients by recognizing dental and periodontal disease. Students will be able to teach patients oral hygiene instructions and nutrition counseling.

**Course Prerequisites and Co-requisites:**

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

Co-requisites: DNA 100, DNA 103, DNA 108, DNA 109, and DNA 113

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- a. Explain why nutrition education is important in the dental practice;
- b. Describe carbohydrates, proteins, fats, vitamins, and minerals;
- c. List the food groups and give examples of food from each group;
- d. Complete a dietary evaluation on a patient;
- e. Recognize oral manifestations of nutritional deficiencies;
- f. Explain the difference between systemic and topical fluorides;
- g. Explain how fluorides help the teeth;
- h. Discuss the hazards of fluoride and the safety of fluoridated water;
- i. Demonstrate how to apply topical fluoride;
- j. Demonstrate how to brush and floss a patient's teeth;
- k. Teach a patient proper oral hygiene instructions; and
- l. Identify intrinsic and extrinsic stains.

**Major Topics to Be Included:**

- a. Components of preventive dentistry
- b. Pathogenesis of dental diseases
- c. Patient education
- d. Fluoride
- e. Plaque control (home care techniques)
- f. Nutrition
- g. Stains of the teeth
- h. Methods of removing plaque and stains
- i. Flossing

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