



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

DHY2040 Clinical Dental Hygiene IV
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Demonstrate an understanding of the complete procedure for each of the three methods of pulp vitality testing.
 - a. Describe the pathology of the apical tissues when the inflammation within the root canal is left untreated.
 - b. List the three methods of testing procedures used to evaluate the vitality of the dental pulp.
 - c. List the armamentarium needed for each of the three methods of pulp vitality testing.
2. Define and describe various types of special needs patients, including: pregnant patients, older adults, patients with an eating disorder, patient with diabetes, patients with cancer, and patients with CV.
 - a. Define and describe appropriate preventive care programs with the special needs patient.
3. Prepare a 7-day food diary to determine which components of the diet could be changed, why it should be modified, and how the modifications could be accomplished.
 - a. Describe the role of dietary assessment and planning in dental hygiene care.
4. List the general physiologic functions of the six nutrient classifications of foods and their effect on overall health.
 - a. Describe the role of carbohydrates and plaque in the caries process and identify alternative sweeteners.
 - b. Discuss nutritional deficiencies, focusing on their effects on oral tissues.
5. Identify nutrition needs for patients in different stages of life.
 - a. Recognize and explain diseases, conditions, treatments and oral manifestations affected by nutritional intake or deficiency.
6. Identify varying differences in diet and its relationship to caries and periodontal disease as it relates to culture and global awareness.
 - a. Describe the role of dietary assessment and planning in dental hygiene care.
7. Prepare a written patient case study.
 - a. Prepare a written patient social, medical history case study.
 - b. Prepare a written patient prior knowledge and learning case study.
 - c. Prepare a written patient feedback case study.
 - d. Prepare a written patient evaluation and assessment case study.
8. Design a treatment plan for the dental hygiene needs of a special needs patient to

include medical/dental history concerns, appointment planning, instrumentation and preventive instruction specific to the situation.

- a. Demonstrate an understanding of the application of various clinic instruments.
 - b. Demonstrate the ability to expose diagnostic radiographs.
9. Demonstrate the use of air abrasive polishing techniques.
- a. Predict when air abrasive polishing techniques would benefit patient treatment.
10. Demonstrate the following intra-oral camera positions on a patient: intra-oral, extra-oral, and quadrant.
- a. Predict when an intra-oral camera would facilitate learning.

These SLOs are not approved for experiential credit.

Effective: Fall 2019