



# BAKER COLLEGE

## STUDENT LEARNING OUTCOMES

COURSE 1020 Clinical Dental Hygiene II  
3 Semester Hours

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### Student Learning Outcomes and Enabling Objectives

Each student will complete the following with at least 77% accuracy:

1. Collect and record medical and dental histories along with monitoring vital signs.
2. Practice dental hygiene procedures utilizing efficiency of time and motion.
3. Demonstrate polishing the exposed surfaces of the teeth and fixed appliances without traumatizing hard and soft tissue.
4. Identify and develop the appropriate plan for preventive treatment.
5. Describe appropriate oral hygiene procedures to patients.
6. Describe the usefulness of a disclosing agent in patient education program.
7. Describe the effects of orthodontic treatment on the teeth and periodontium.
8. Recognize post-debonding preventive care for the orthodontic patient.
9. Describe mechanical plaque control aids as well as use of fluorides and antimicrobial agents for the orthodontic patient.
10. Distinguish between a bonded bracket and an unbonded orthodontic bracket.
11. Classify the categories of tooth discolorations or stains.
12. Prepare the patient to recognize the problem of tooth discoloration and how to prevent its recurrence.
13. Distinguish between the local delivery antimicrobials Minocycline and Doxycycline.
14. Assess the beneficial effects of irrigation.
15. Describe the use of mouth rinses for a dental patient.
16. Classify the components of a dentifrice including their purposes.
17. Recognize the cultural significance of a variety of oral piercings.
18. Distinguish between various types of tongue, lip, cheek and face piercings.
19. Identify complications of oral piercings.
20. Differentiate between the various types of metal substances that can be found in an oral piercing.
21. Appraise the role of the dental hygienist in management of the patient with an oral piercing.
22. Describe a homecare regimen for a patient with an oral piercing.
23. Define root planing.
24. Identify the objectives for performing root planing.
25. Recognize indications and contraindications for root planing.
26. Assess the appropriate armamentarium for root planing.
27. Interpret how to formulate an appropriate treatment sequence.
28. Analyze the importance of irrigation as part of root planing.
29. Interpret the techniques used for irrigation and control of hemorrhage.
30. Assess the criteria used to evaluate the root planing procedure and their application.
31. List the factors that may complicate implementation of root planing and suggest ways of eliminating or responding to them.

32. Identify the importance of establishing a frequent and regular maintenance program following periodontal treatment.
33. List the types and methods of postoperative care following instrumentation.
34. List and describe the six steps involved in follow-up evaluations.
35. List the objectives of the maintenance phase.
36. List the factors that help determine the maintenance appointment frequency.
37. Analyze the three general categories of stimuli that elicit a pain response and give examples of each.
38. Appraise the rationale behind the hydrodynamic theory.
39. Analyze the importance of plaque in the prognosis of treating hypersensitivity.
40. Compare and contrast the various methods of pain control commonly used in the dental office and the possible contraindications of each.
41. Distinguish what anti-hypersensitive products available for home care.
42. Select and justify in-office procedures for treating sensitivity.
43. Assess the role of the hygienist in pain control.
44. Distinguish the appropriate patients for whom ultrasonic scaling is or is not an appropriate choice.
45. Interpret the advantages and disadvantages of ultrasonic and sonic scaling.
46. Interpret how the ultrasonic scaler removes deposits.
47. Identify precautions that must be taken to minimize cross-contamination during ultrasonic scaling as well as sonic scaling.
48. Analyze the rationale for ultrasonic use with the patient through effective communication skills.
49. Appraise four important measures for helping the patient cope with water flow.
50. Prepare an ultrasonic and sonic unit for operation by connecting the electrical outlet, floor control, water supply and handpiece.
51. Assess the procedure for preparing an instrument tip for use in a manual tone unit.
52. Identify the design and usefulness of each of the ultrasonic and sonic tips.
53. Describe the best sequence and stroking pattern to produce a smooth tooth surface with the ultrasonic scaler.
54. Analyze ultrasonic and sonic instrumentation principles with those employed with hand instruments.
55. List three functions of the water lavage in ultrasonic scaling.
56. Prepare the patient for whom ultrasonic scaling is indicated, for maximum comfort, with sufficient information for informed consent, and taking precautions to minimize microbial cross-contamination.
57. Prepare instrument tips and equipment.
58. Use the appropriate tips in a sequence that removes stain and calculus both supragingivally and subgingivally, for whom ultrasonic scaling is indicated.
59. Analyze the research findings related to effectiveness, tissue response, tooth structure smoothness, and safety precautions when ultrasonic and sonic instruments are used.
60. Analyze the relationship between smoking and calculus formation.
61. Identify the relationship between tobacco use and periodontal disease.
62. Practice teamwork activities related to patient assessment, sterilization procedures, and appointment control.
63. Model professional behavior and etiquette throughout patient treatment.
64. Evaluate a professional journal article relating to oral hygiene care.
65. Apply appropriate cleaning techniques for removable appliances without altering surface materials or attachments.
66. Demonstrate an understanding of the application of various clinic instruments
67. Demonstrate the ability to expose diagnostic radiographs.
68. Demonstrate an understanding in the application of the following:
  - a. Use of desensitizing agents.
  - b. The application of therapeutic agents.

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These SLOs are not approved for experiential credit.

**Effective: Fall 2017**