

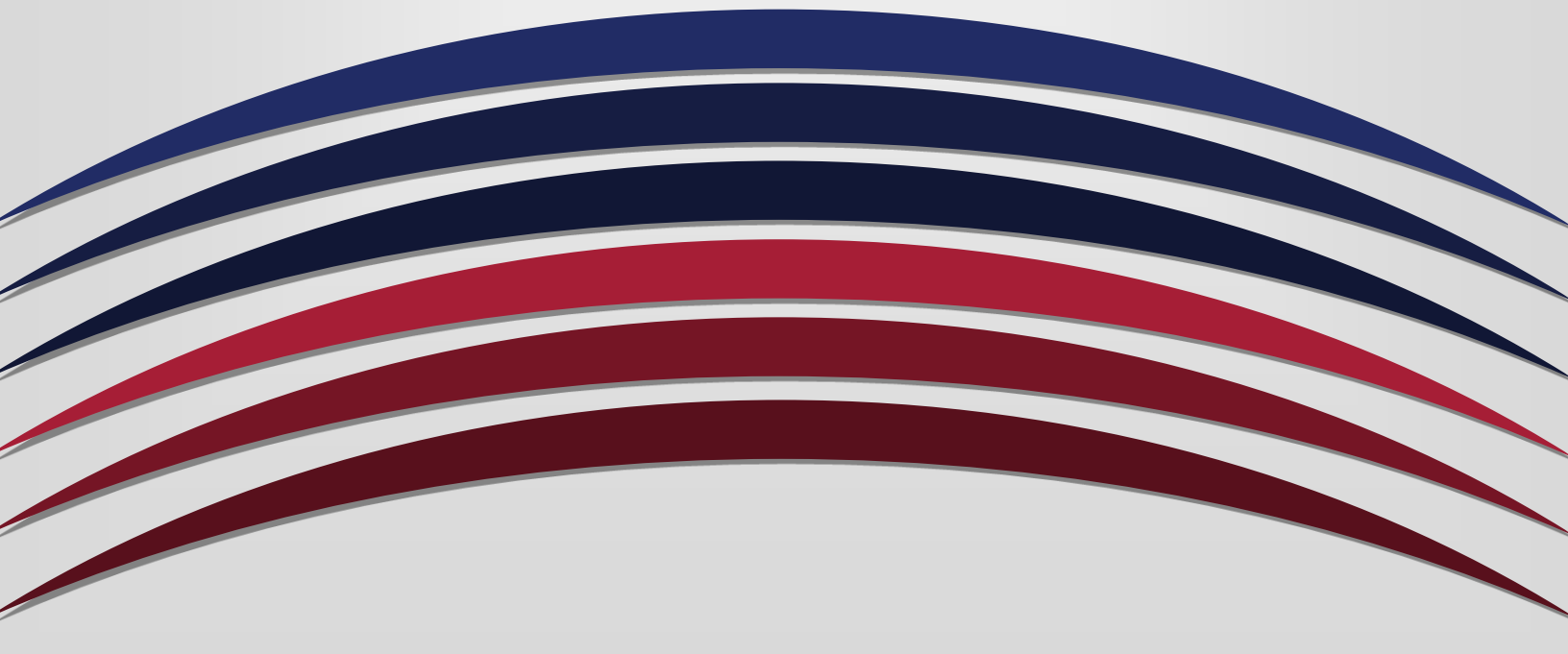
UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report

Course: DEN 1404

Chairside Assisting I

Academic Year: 2022-2023



1. Name of course: DEN 1404 Chairside Assisting I
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3. Date of submission: September 1, 2022
4. Academic year: 2022-2023

Course-Level Learning Outcomes

1. What are the Course-Level Outcomes (CLOs)?

1. Describe the care and maintenance of the equipment attached to or part of the dental unit and demonstrate the use of such equipment.
2. Explain the use and maintenance of the analgesia machine and distinguish between the Nitrous and Oxygen tanks.
3. Describe bleeding the moisture jet of the air compressor and list two items that operate on compressed air.
4. Identify the oral evacuation system and saliva ejector and demonstrate the maintenance of both.
5. Identify the various cabinets in the lab area, work in an assigned group to arrange supplies in a specified cabinet and indicate the location of those particular supplies.
6. Utilize proper sterilization and disinfection techniques of cabinets and instruments.
7. Identify names and numbers of various instruments selected by the instructor from this unit instrument list: Describe their function and assemble into instrument set-ups for procedures.
8. Describe the use of Arkansas flat and mounted stones for instrument sharpening.
9. Practice attaching wheels, disks, and stones to a mandrel.
10. Differentiate between low speed, high speed, and air driven turbine handpieces. Describe lubrication and sterilization of the handpieces.
11. Group various burs into like shapes, name the group and identify as friction grip, latch type or straight.
12. List the six basic shapes of burs and give the function of each as well as identify by number.
13. Explain the cleaning and sterilization of carbide and diamond burs.
14. Describe the mandrel and differentiate between the screw type and snap on

15. Distinguish between mounted and unmounted stones.
16. Demonstrate air syringe maintenance.
17. Demonstrate activating the rotary instruments through use of the rheostat.
18. Demonstrate attaching the contra and right angle to the handpiece.
19. Practice aseptic techniques at all times in the clinical area.
20. Describe in a written report the principles of 4-6 handed dentistry and the designated zones of operation.
21. Seat and position patients.
22. Properly position the operator's stool, assistant's stool, and work cart.
23. Demonstrate with other students the grasp, delivery and receiving of hand instruments.
24. Demonstrate placing the HVE tip in various assigned area of the mouth.
25. Prepare a tray set up and assist with an oral exam including medical and dental history.
26. Demonstrate taking and recording vital signs: temperature, pulse, respiration, and blood pressure.
27. Prepare a tray set up and assist with topical and local anesthetic administration.
28. Demonstrate loading and delivery of the anesthetic syringe.
29. Define Nitrous Oxide and its relationship to anesthesia.
30. Identify in a handout the component parts of the analgesic apparatus.
31. List in a written report, the nine indications and seven contraindications for the use of nitrous oxide analgesia.
32. List, in a written report, the procedure to clean and sterilize the nitrous oxide nose piece.
33. List, in a written report, the 8 guidelines for administration, 4 stages and 4 inhalation agents used for general anesthesia.
34. List, in a written report, the 2 agents used for intravenous anesthesia.
35. List the 5 preoperative instructions for general anesthesia.
36. Describe the term recovery period.
37. Describe, in a written report, the procedure for respiratory failure during the use of general anesthesia.
38. Prepare tray set ups for: amalgam restoration, esthetic restoration, and crown and bridge preparation procedures.
39. Demonstrate the placement and removal of matrix bands and dental dams.
40. Demonstrate the knowledge of 4-6 handed dentistry by assisting with the following procedures:
 - Monitoring nitrous oxide
 - Amalgam restoration
 - Esthetic restoration

Crown and bridge preparation

2. Which CLOs were addressed for the academic year?

1. #1 CLO Describe the care and maintenance of the equipment attached to or part of the dental unit and demonstrate the use of such equipment.
2. #21 CLO Seat and position patient.
3. #27 CLO Prepare a tray set up and assist with topical and local anesthetic administration.

3. Which CLOs are being addressed in your assessment plan in the upcoming academic year?

1. #7 CLO Identify names and numbers of various instruments selected by the instructor from this unit instrument list: Describe their function and assemble into instrument set-ups for procedures.
2. #12 CLO List the six basic shapes of burs and give the function of each as well as identify by number.
3. #26 CLO Demonstrate taking and recording vital signs: temperature, pulse, respiration, and blood pressure.

4. How does this report connect or map to program-level or institutional-level outcomes?

(ILO link: <https://uaptc.edu/college-academics/resources/student-learning-outcomes>
PLO list will vary depending on your Program.)

This report will show how the course CLO's that are listed above are directly related to the program as a whole. Students will be able to know and demonstrate specific knowledge and skills that are needed to pass the program. Each skill learned in this course is combined with other courses within the program. Students must continue to improve each skill as the course progresses. All of these elements are needed to meet the program learning outcomes and for the student to pass the program.

For each Course Level Outcome assessed this academic year, please complete the chart below, providing the assessment data for both fall and spring, and then a total for the academic year.

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p>#1 CLO Dental Assisting students are given a competency that they must pass in order to demonstrate the care and maintenance of dental equipment. They are asked specific questions about the care of all dental equipment. Their demonstration and response is assessed.</p> <p>#21 CLO Students must be able to seat the patient in the dental chair. Once the patient has been seated, the student is to place the patient napkin on the patient and proceed to move the dental chair in the correct position. Students are assessed by completing a competency that involves demonstrating this technique correctly.</p> <p>#27 CLO Students must be able to prepare a dental tray with the correct items needed to apply topical and assist with an anesthetic injection. Students are assessed by a competency that demonstrates the correct sequence of this technique and if they are able to place the topical in the correct location given.</p>	
<p>Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.</p>	<p>Yes</p>	<p>No</p>
<p>How do you define success for an individual student on the CLO assessment assignment or measure?</p>	<p>On all the CLO's listed above that were assessed, student success is measured by whether or not the student is able to pass the competency with an 80% on the first try.</p>	

<p>How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?</p>	<ul style="list-style-type: none"> • Graduates will perform dental assisting responsibilities and related office and laboratory procedures under the direct supervision on the dentist. • Graduates will function as a valued team member, exhibiting professionalism and ethics. • Graduates will demonstrate proficiency in dental assisting skills and competencies to meet registration requirements with the Arkansas State Board of Dental Examiners and qualify for the Dental Assisting National Board Exam. 	
<p>How many students completed the assessment, and how many were successful?</p>	<p>Fall</p> <p>#1 CLO: Students Assessed: 18 Class Average: 99% Class Success pass/fail: 100% pass</p> <p>#21 CLO: Students Assessed: 18 Class Average: 89% Class Success pass/fail: 89% pass (2 students did not take the competency in the time allotted, a zero was given but the students still had to complete the competency to pass the course)</p> <p>#27 CLO: Students Assessed: 18 Class Average: 94%</p>	<p>Spring</p> <p>N/A</p> <p><i>Class not offered to students in the Spring</i></p>

	Class Success pass/fail: 94% (1 students did not take the competency in the time allotted, a zero was given but the students still had to complete the competency to pass the course)	
Academic Year Total (add the numbers from Fall and Spring)	N/A Class not offered to students in the Spring	
Was the benchmark/goal for this academic year met?	Yes	No
Were standardized rubrics, tests, or checklists used?	Yes	No

5. What is your analysis of the findings?

The findings above are a representation of student overall performance. Based on these numbers, our program can graduate students that will be able to perform their very best as a dental assistant in dental offices.

6. What is the action plan for the upcoming academic year? Explain.

Chairside Assisting I will continue with the same objectives from the previous year. With continued professional development and collaboration of other instructors within the Dental Assisting Program, the needs of the students will continue to be met and any material that needs to be updated or changed will be done prior to the next academic year. I will continue to work with students that do not make up their competencies within the time frame with frequent reminders.