



UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report
Course: DEN 1702 Preventive Dentistry
Academic Year: 2021-2022



1. Name of course: Preventive Dentistry
2. Name of individual(s) compiling report: Tanielle Price, CDA, RDH, MS
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Course-Level Learning Outcomes

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

Preventive Dentistry Course Level Outcomes

1. Describe the relationship of plaque to dental disease.
2. List types and functions of systemic and topical fluorides, and describe the application procedure for each type.
3. Utilize the internet to obtain ideas to prepare an age specific flip chart demonstrating:
 - a. the components of plaque, its primary sites, frequency of removal, contribution to dental disease and growth mechanism.
 - b. disclosing agents for home care, their basic ingredients, toxicity status and function.
 - c. selection of a toothbrush.
 - d. bass brushing technique including rationale, sulcular bristle placement and sequence of placement.
 - e. selection, grasp, length and technique for the use of dental floss.
 - f. modes and benefits of the receipt of fluoride.
 - g. importance of replacing missing and lost teeth.
 - h. importance and components of a balanced diet.
 - i. relationship of carbohydrates and exposure time to tooth decay.
 - j. rationale and function of sealants.
 - k. rationale and function of prophylaxis and coronal polish.
 - l. importance of regular dental visits.
4. In the classroom, using the flipchart, give a presentation on oral health care.
5. In the laboratory setting, under the supervision and evaluation of the instructor, counsel a classmate regarding:
 - a. The importance of restoring carious teeth, replacing missing teeth, receiving the benefits of fluoride and regular dental visits.
 - b. Use of disclosing agents, bass brushing technique, and dental floss.

- c. Rationale and procedures for choosing food wisely, reducing carbohydrate exposure, and sealing appropriate occlusal surfaces.
6. Instruct two clinical patients in the principles and procedures of plaque control and wise food choices.

2. Which CLOs were addressed for the academic year?

1. Describe the relationship of plaque to dental disease.
2. List types and functions of systemic and topical fluorides, and describe the application procedure for each type.

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

6. Instruct two clinical patients in the principles and procedures of plaque control and wise food choices.
7. Prepare for and perform coronal polish and fluoride application procedures on two classmates.

4. Explain the assessment cycle.

Didactic exams are performed with paper and pencil or via technology. Competency evaluations, which evaluate practical skills, are performed after lab practice, peer review, and critique from (an) instructor(s). Since our program has just started documenting our course learning outcomes, we look towards adding new data each year.

5. What are the assessment methods? Are they direct or indirect?

All assessment methods are direct and require satisfactory performance in order to move forward without remediation. Competencies are mandatory and require 70% passing score to move forward in the program. Written exams test information from the didactic section of the course. Written assignments, such as workbook and review assignments, evaluate and reinforce learning outside of written exams.

6. What are the assessment goal(s), including benchmarks?

1. Graduates will perform dental assisting responsibilities and related office and laboratory procedures under the direct supervision of the dentist.
2. Graduates will function as a valued team member, exhibiting professionalism and ethics.
3. Graduates will demonstrate proficiency in dental assisting skills and competencies to meet registration requirement with the Arkansas State Board of Dental Examiners and qualify for the Dental Assisting National Board Exam.
4. At least 80% of students will be retained in the program for the second semester.
5. At least 85% of graduates will be employed in the dental field or continuing their education within six months of graduation.
6. At least 80% of graduates will report satisfaction with the instruction and overall program experiences.
7. Greater than 75% of employers of the program graduates will report satisfaction with clinical and academic skills.

7. What were the findings for the academic year?

When given a written examination, students on average scored 88.00 when describing the relationship of dental disease and 82.45454 when listing the types and functions of systemic and topical fluorides and the application procedure for each type. These items were assessed via multiple choice, fill in the blank, and short answer exams and quizzes.

8. What is your analysis of the findings?

Students are gaining both the education and skills in the program to perform in their roles as dental assistants and meeting the CLOs related to preventive dentistry.

9. What is the action plan for the upcoming academic year?

Explain.

Based upon feedback from students and the dental community and standard guidelines set forth by CODA, CLOs will be chosen to assess where the greatest need is found. The action plan for Preventive Dentistry is also based off of state guidelines for specific requirements for expanded functions in dental assisting.