

Course Outcomes Assessment

Course/Program Title: DHY 112 Dental Materials

Date: 05/12/19

Course/Program Team: Nancy C. Stannert RDH, BS, MEd

Expected Learning Outcomes:

- Analyze the principles of dental materials to rationalize the use of these materials.
- Describe the physical and chemical properties of dental materials as it relates to biocompatibility, biomechanics and the oral environment
- Demonstrate the appropriate manipulation and safe handling of various dental materials in a clinical setting.
- Prepare for the National Board Dental Hygiene Examination (NBDHE) and the American Dental Hygiene Licensing Examination (ADEX)

Assessment: Assessments include online group forums, chapter review questions, critical thinking writing assignments, four unit exams, lab assessments and one comprehensive final. Students are required to achieve an overall grade of 75% or better.

Validation: This is a hybrid course, in which the course grade is determined by completion of all course assessments with a goal of 100% of students achieving an average of 75% or higher. The didactic portion of this course is online and the lab portion, in a classroom.

Results: These results are based on one student who was enrolled in the course during the spring, 2019 semester.

Assessments	Course Average
Group Forum/Discussion	100.00%
Chapter Review Questions	99.43%
Critical Thinking Writing Assignments	87.88%
Lab Skills	99.00%
Unit Exams	88.34%
Comprehensive Final Examination	95.00%
Overall Course Grade	94.53%

Follow-up: DHY 112 students consistently completed all online assignments in a timely manner. Thoughtful initial posts and lively interchanges between students regularly filled the week-long student group forums. New material was introduced weekly and unit exam scores measured acquired knowledge. Rigorous questions in the unit exams posed an ongoing challenge to most of the students however all students excelled in the lab portion of this course.

Adjustments will be made to the 2020 schedule of material/content introduced hoping to better coordinate lecture with lab skills. In addition, adjustments will be made to the format of this online class to further engage students for future online classes. All students eagerly used their newly acquired lab skills in 2019 spring clinic.

Budget Justification: No changes are needed at this point.