

AAS in Dental Hygiene  
School of Science, Health & Criminal Justice  
January 2018 Assessment Report



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# What was assessed in Spring 2017?

- **ISLO 1 Communication Skills**  
DHYG 159
- **ISLO 2 Critical Thinking & Ethical Reasoning**  
DHYG 280



# What was Assessed in Fall 2017?

- **ISLO 1 Communication Skills**

DHYG 220, DHYG 250

- **ISLO 2 Critical Thinking**

DHYG 142, DHYG 221, DHYG 240



# DHYG 142 Assessment Data

- Details: A team of 2 freshmen students will analyze and discuss two ethical situations provided by the instructors. They will state the breeches (problems), conduct research to determine what OSHA regulations and/or CDC recommendations have been breached, discuss consequences of breeches for self, other members of the professional team and/or the patient. Then identify preventive techniques that can be utilized to prevent these breeches in the clinical setting.



# Targets for DHYG 142

Institutional Target: 70% of the freshmen class will achieve a minimum grade of 10/20 on the AACU critical thinking rubric.

Department Target: 75% of the class will achieve a grade of 15/20 (75%) or higher on the AACU critical thinking rubric.



# Results for DHYG 142

## Scenario #5:

23/23 students met institutional target with score of 10/20

22/23 students met departmental goal with score of 15/20

## Scenario #6:

23/23 students met institutional goal with score of 10/20

19/23 students met department goal with score of 15/20

Targets: Met, no recommendations. Critical thinking is a skill that is developed over time so results were good for 1<sup>st</sup> semester freshmen. Expectations increase as they progress through the program.



# DHYG 159 Assessment Data

Details: Students will develop and implement an oral health lesson for a preschool class. They will be evaluated on their communication skills during the presentation. Students will be evaluated by the lead preschool teacher using a modified AACU rubric.

Target: 90% of students will earn a 75 or higher on classroom project.



# DHYG 159 Results

17/17 students (100%) developed and implemented a classroom lesson for a preschool classroom and scored a grade of 75% or > on the approved rubric.

Target Exceeded, no recommendations at this time. Students love this activity!





# DHYG 220 Assessment Data

Details: Senior students will give a 10-12 minute oral presentation explaining their table clinic to practicing members of the local dental hygiene association

Target: 80% of the senior students will earn a score of 15/20 (75%) on their oral presentation using a modified AACU rubric. Sample was 17 students.

Target: Exceeded, no recommendations



# DHYG 221 Assessment Data

Details: PDR Research project evaluated using a modified Critical Thinking Rubric approved by campus assessment committee

Institutional Target: 70% of the students will earn 10/20 points on the AACU rubric (see modified rubric attached)

Department Target: 90% of the students will complete the paper and pass with (16/20) 80% competency.



# DHYG 221 Results

Institutional Goals: MET 17/17 students (100%) earned a score of 10/20 or higher

Program Goals: NOT MET – but very close to the goal. 15/17 students ( 88.2%) received a score of 16/20 or higher.

Recommendations: 90% of students is a lofty goal so program will evaluate that % moving forward.



# DHYG 240 Assessment Data

Details: Third semester students will conduct research and submit a paper to demonstrate evidence based decision making skills and critical thinking.

Target: 85% of the third semester students will achieve a grade of 75 or higher on the research paper using a modified AACU rubric.



# DHYG 240 Results

- Target Met. 17/17 students (100%) earned a grade of 75% or higher on paper.
- Recommendation: Although target was met students had difficulty using APA format. This coupled with writing errors at the senior level, it is recommended that a writing workshop be offered in the future.



# DHYG 250 Assessment Data

Details: Senior students will research a culture, develop a power point and present to class. Assessing oral and written communication.

Target: 100% of the 3rd semester students will receive 85% or higher on the cultural presentation using the approved modified oral communication rubric.

Results: Target Met

Sampling: was 17 students



# DHYG 280 Assessment Data

- Details: Student will critically analyze a minimum of 9 hypothetical situations, will discuss with one peer and then generate a joint written response to each situation in a professional and ethical manner.
- Target: 90% of the students will achieve an average grade of 85% on the (9) written assignments.



# DHYG 285 Results

Initially the cohort of 17 students scored low but made vast improvement as they progressed through the semester and completed the last 6 cases at a higher level of reasoning so the target was MET.

Case 1: 9/17 met the 85% or > benchmark

Case 2: 12/17 met the grade benchmark

Case 3: 14/17 met the grade benchmark





# Closing The Loop

- The department intends to look at the targets. In some of the courses the targets are 90% because we are a professional program and the students must be competent to go out and perform various skills on live subjects in private practice.
- Institutional goal of 10/20 on AACU rubrics is too low for our program . However the department's goals may be too lofty. We want to continue setting high goals for clinical skills but review the goals on some of the nonclinical targets.  
concepts.



- Several faculty in the department attended an online course sponsored by ADEA (American Dental Educators Association).
- One of the activities addressed was developing rubrics since this is an important component of the CODA self study that is submitted prior to a site visit by our accrediting body.
- As a result, the department has developed a number of modified rubrics that were submitted and approved by Kirk Jones and the campus assessment committee that are more in alignment to our department's needs.



- Two additional rubrics were submitted to the campus assessment committee and were approved so they will be included in the next reporting cycle. (DHYG 270, DHYG 290)
- Moving forward the faculty would like to request a meeting with Kirk to discuss the process we are using to assess questions on tests. Everyone is tallying these findings in a different format and we would like to calibrate how we go about measuring success in this manner.

