

College of Health Sciences
Undergraduate Kinesiology
Applied Health Science (AHS)
2021-2022

Learning Outcome #1a

Speak and write effectively to a target audience on essential information in health care.

Criteria for success: 80% of students will score 3 or higher AACU written communication rubric

Signature Assignment: Literature Review Paper

Course: KIN 1001

Aligned with DQP Learning Areas:

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Written Communication skill	% of students achieving “3” or higher		
	Fall 2019 (N=40)	Fall 2020 (N=44)	Fall 2021 (N=53)
Context/Purpose	100%	95%	94%
Content Development	83%	84%	77%
Genre/Disciplinary Conventions	85%	84%	83%
Sources & Evidence	98%	98%	85%
Syntax & Mechanics	93%	84%	91%

Interpretation and Conclusion: We did not meet the criteria for the content development outcome. This is not concerning since we only missed the criteria by 3%.

Changes to be made:

No changes at this time, however, if this becomes a trend then we may consider reducing the criteria to 70% since this is a freshmen level course where they are just learning how to write in the major.

Rubric Used: AACU written communication

Learning Outcome #1b

Speak and write effectively to a target audience on essential information in health care.

Criteria for success: 80% of students will score 3 or higher AACU written communication rubric

Signature Assignment: Passionate Speech

Course: KIN 4095

Aligned with DQP Learning Areas:

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Oral Communication	% of students achieving “3” or higher				
	Fall 2019 (N=14)	Fall 2020 (N=16)	Spr 2021 (N=29)	Fall 2021 (N=28)	Spring 2022 (N=11)
Organization	100%	100%	100%	96%	100%
Language	100%	100%	96%	82%	91%
Delivery	78%	88%	69%	64%	82%
Supporting Material	93%	100%	100%	89%	100%
Central Message	93%	100%	100%	88%	100%

Interpretation and Conclusion: We did not meet the criteria for the delivery outcome within the oral communication rubric in the fall of 2021. This finding is very similar to our results in spring 2021 because our students were still turning in virtual speeches. After recognizing the trend in low scores within this particular outcome the professor of the course placed more emphasis on how important it was to be well articulated and professional during a video presentation. Based on the increase in the percent of students who met the criteria for the spring semester these instructions appeared to be helpful.

Changes to be made: None at this time. We have recommended that the professor continue to give very detailed instructions and expectations.

Rubric Used: AACU oral communication

Learning Outcome #2

Critically evaluate and integrate new information into professional practice to solve relevant health care concerns.

Criteria for success: 80% of students will score 3 or higher on the AACU written communication rubric

Signature Assignment: Quantitative Literacy Lab Write Up

Course: KIN 3040L

Aligned with DQP Learning Areas:

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Quantitative Literacy	% of students achieving "3" or higher					
	Fall 2019 (N=0)	Spr 2020 (N=32)	Fall 2020 (N=19)	Spr 2021 (N=19)	Fall 2021 (N=15)	Spr 2022 (N=12)
Interpretation	NC	90%	84%	94%	87%	91%
Representation	NC	90%	89%	100%	93%	75%
Calculation	NC	92%	68%	89%	100%	100%
Application	NC	79%	79%	79%	73%	100%
Assumptions	NC	85%	84%	94%	100%	83%
Communication	NC	92%	84%	100%	100%	100%

*NC- not collected. Data was not collected for this outcome measure in this semester.

Interpretation and conclusion: Data from the fall of 2021 was consistent with the data trends in spring of 2021, we did not meet the criteria for the application category. The application category requires students to make judgements and draw appropriate conclusions based on the results. This has been difficult for our students to do since we started collecting this data in 2019. A brief discussion with the professor of that course revealed that students may not be as passionate about working with quantitative data and may not be able to connect with the data as well. In spring of 2022 however, we met the application learning outcome but did not meet the representation outcome. These two categories are somewhat linked, as representation is the ability to convert relevant information into various mathematical forms.

Changes to be made: In August, we will meet with the professor of this course to figure out a way to help students connect with the data they are collecting. This might include things like having students work with a sample data set and discussing the applications in class prior to working on the final assignment.

Rubric Used: AACU Quantitative Literacy Rubric

Learning Outcome #3

Describe the mechanisms (i.e. metabolic, physiologic, biomechanical, and developmental) by which physical activity aids in health care settings.

Criteria for success: 80% of students will score 3 or better on the information literacy, critical thinking and written communication AACU rubrics

Signature Assignment: Concept Mapping and paper

Course: KIN 3040

Aligned with DQP Learning Areas:

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Information Literacy	% of students achieving “3” or higher					
	Fall 2019 (N=21)	Spr 2020 (N=33)	Fall 2020 (N=19)	Spr 2021 (N=18)	Fall 2021 (N=15)	Spring 2022 (N= 27)
Extent	95%	72%	79%	94%	93%	89%
Access	95%	82%	84%	100%	100%	74%
Evaluate	90%	82%	63%	78%	93%	96%
Use	86%	70%	63%	78%	93%	89%
Ethics	100%	88%	79%	89%	100%	93%
Critical thinking						
Explain	95%	82%	84%	94%	100%	93%
Evidence	86%	79%	79%	83%	100%	85%
Assumptions	100%	91%	89%	100%	100%	93%
Position	100%	94%	100%	100%	100%	93%
Conclusions	100%	70%	79%	94%	93%	89%
Written Rubric						
Purpose	90%	72%	79%	78%	93%	81%
Content	90%	82%	79%	89%	100%	89%
Conventions	100%	82%	89%	94%	100%	100%
Sources	90%	88%	84%	94%	100%	96%
Syntax	100%	93%	89%	100%	100%	100%

Interpretation and Conclusion: We met all of the learning outcomes for the fall of 2021, however, did not meet the access category within the information literacy rubric for the spring. This is not too concerning since we have typically met the criteria for this category in years past.

Changes to be made: None at this time.

Rubric(s) Used: AACU information Literacy, Critical Thinking Rubric and Written Communication

Learning Outcome #4

Demonstrate preparedness to serve others in various health care settings through their selected vocation and calling.

Criteria for success: 80% of students will score a 3 or better the written communication rubric.

Signature Assignment: Vocational Expertise Paper

Course: KIN4095

Aligned with DQP Learning Areas:

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Written Communication skill	% of students achieving “3” or higher				
	Fall 2019 (N=14)	Fall 2020 (N=16)	Spring 2021 (N=18)	Fall 2021 (N=30)	Spring 2022 (N=11)
Context/Purpose	100%	100%	78%	90%	100%
Content Development	79%	94%	89%	87%	90%
Genre/Disciplinary Conventions	50%	100%	94%	93%	82%
Sources & Evidence	93%	100%	94%	80%	100%
Syntax & Mechanics	79%	94%	100%	77%	100%

Interpretation and Conclusion: The trend in this data is very similar to the oral data collected in KIN4095. In the fall of 2021, the we did not meet the criteria for the syntax and mechanics category however in the spring of 2022 we did. The change in results from fall to spring is reflected in the professors instructions to the students prior to completing this assignment.

Changes to be made: No changes need to be made at this time. The professor will continue to give detailed information prior to the students completing this assignment.

Rubric Used: AACU written communication

Learning Outcome #4

Demonstrate preparedness to serve others in various health care settings through their selected vocation and calling.

Criteria for success: 70% of alumni will score “2” or above on a 4-point likert scale

Signature Assignment: None

Course: Alumni Survey

Aligned with DQP Learning Areas:

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Please tell us if your Kinesiology course work enhanced your ability to:	2017 Alumni Survey % of students achieving “2” or higher on 4-point likert scale (N=70)
Communicate effectively in the discipline (i.e. oral presentations, proposals)	81%
Utilize the best current evidence to benefit my clients, patients and the community.	77%
Engagement in service to others from various backgrounds	73%
Integrating compassionate care and Christian faith with my professional practice	80%
A commitment to Christ and His calling	70%

Interpretation and Conclusion: All criteria were met for this outcome.

Changes to be made: No changes need to be made. Our next alumni survey will be sent out in the summer of 2022 and will include specific questions related to the new PLOs we created during program review.

Rubric Used: 4-point likert scale (very much enhanced, much enhanced, enhanced, not enhanced)