

College of Health Sciences
Undergraduate Kinesiology
Applied Health Science (AHS)
2022-2023

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 oral 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						
	Fa 2019 (N=14)	Fa 2020 (N=16)	Spr 2021 (N=29)	Fa 2021 (N=28)	Sp 2022 (N=11)	Fa 2022 (N=22)	Spr 2023 (N=21)
Organization	100%	100%	100%	96%	100%	100%	100%
Language	100%	100%	96%	82%	91%	95%	95%
Delivery	78%	88%	69%	64%	82%	86%	90%
Supporting Material	93%	100%	100%	89%	100%	100%	100%
Central Message	93%	100%	100%	88%	100%	100%	100%

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

Changes to be made: None at this time.

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							
	Fa 2019 (N=0)	Spr 2020 (N=32)	Fa 2020 (N=19)	Spr 2021 (N=19)	Fa 2021 (N=15)	Spr 2022 (N=12)	Fa 2022 (N=15)	Sp 2023 (N=18)
Interpretation	NC	90%	84%	94%	87%	91%	87%	72%
Representation	NC	90%	89%	100%	93%	75%	87%	72%
Calculation	NC	92%	68%	89%	100%	100%	73%	89%
Application	NC	79%	79%	79%	73%	100%	73%	89%
Assumptions	NC	85%	84%	94%	100%	83%	80%	72%
Communication	NC	92%	84%	100%	100%	100%	80%	89%

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

Interpretation and conclusion: In the fall of 2022 we did not meet the calculation and application outcome criteria. Since these two components are linked to each other this is not a surprising finding. On the other hand, in the spring of 2023 we did not meet the interpretation, representation or assumptions criteria. The application category requires students to make judgements and draw appropriate conclusions based on the results of their calculations. 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 2023 however, we met the application learning outcome but did not meet the Interpretation, representation or assumptions outcomes. These three categories are somewhat linked, as representation is the ability to convert relevant information into various mathematical forms. Starting Fall of 2023 we have a new FT faculty member who will be taking over these courses with a specific expertise in this area. We are thinking that may help students get more excited about this work.

Changes to be made: The department may consider adjusting the criteria for success for the application outcome if this trend continues.

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							
	Fa 2019 (N=21)	Spr 2020 (N=33)	Fa 2020 (N=19)	Spr 2021 (N=18)	Fa 2021 (N=15)	Spr 2022 (N= 27)	Fa 2022 (N=16)	Spr 2023 (N=18)
Extent	95%	72%	79%	94%	93%	89%	88%	89%
Access	95%	82%	84%	100%	100%	74%	88%	100%
Evaluate	90%	82%	63%	78%	93%	96%	88%	100%
Use	86%	70%	63%	78%	93%	89%	88%	94%
Ethics	100%	88%	79%	89%	100%	93%	88%	100%
Critical thinking								
Explain	95%	82%	84%	94%	100%	93%	88%	100%
Evidence	86%	79%	79%	83%	100%	85%	88%	89%
Assumptions	100%	91%	89%	100%	100%	93%	88%	100%
Position	100%	94%	100%	100%	100%	93%	88%	100%
Conclusions	100%	70%	79%	94%	93%	89%	100%	94%
Written Rubric								
Purpose	90%	72%	79%	78%	93%	81%	100%	50%
Content	90%	82%	79%	89%	100%	89%	81%	94%
Conventions	100%	82%	89%	94%	100%	100%	88%	100%
Sources	90%	88%	84%	94%	100%	96%	88%	100%
Syntax	100%	93%	89%	100%	100%	100%	88%	100%

Interpretation and Conclusion: All criteria met, except for the written rubric, purpose category. In the Spring of 2023 we had a new adjunct teaching the course. We believe she did not explain the details of the assignment criteria well enough for them to understand what was expected in the purpose portion.

Changes to be made: We will make sure our new faculty member understands the importance of the purpose section.

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						
	Fa 2019 (N=14)	Fa 2020 (N=16)	Spr 2021 (N=18)	Fa 2021 (N=30)	Spr2022 (N=11)	Fa 2022 (N=25)	Spr 2023 (N=21)
Context/Purpose	100%	100%	78%	90%	100%	96%	95%
Content Development	79%	94%	89%	87%	90%	92%	95%
Genre/Disciplinary Conventions	50%	100%	94%	93%	82%	100%	81%
Sources & Evidence	93%	100%	94%	80%	100%	100%	81%
Syntax & Mechanics	79%	94%	100%	77%	100%	96%	86%

Interpretation and Conclusion: All criteria met.

Changes to be made: No changes need to be made at this time.

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:	2022 Alumni Survey (AHS) % of students achieving “2” or higher on 4-point likert scale (N=170)	2017 Alumni Survey (AHS) % of students achieving “2” or higher on 4-point likert scale (N=70)
Communicate effectively in the discipline (i.e. oral presentations, proposals)	97%	81%
Utilize the best current evidence to benefit my clients, patients and the community.	98%	77%
Engagement in service to others from various backgrounds	96%	73%
Integrating compassionate care and Christian faith with my professional practice	96%	80%
A commitment to Christ and His calling	95%	70%

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

Changes to be made: No changes need to be made. The next alumni survey will be deployed in the summer of 2026.

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