

Department of Kinesiology
Core Competency Assessment 2014-2019

Core Competency:

Quantitative Literacy

Outcome Measure:

Exercise Physiology (KIN 340) Signature Assignment: Case Analysis and Lab

Criteria for Success (if applicable): 80% of students will be at "3" or higher

Longitudinal Data (Fall 2014-Spring 2019)

Quantitative Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=33)	% of students achieving "3" or higher (Fall 2014) (N=21)	% of students achieving "3" or higher (Spring 2015) (N=12)
Interpretation	88%	90%	83%
Representation	76%	85%	58%
Calculation	62%	66%	58%
Application/Analysis	67%	71%	58%
Assumptions	85%	85%	83%
Communication	82%	80%	82%
Quantitative Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=45)	% of students achieving "3" or higher (Fall 2015) (N=18)	% of students achieving "3" or higher (Spring 2016) (N=27)
Interpretation	96%	96%	96%
Representation	94%	91%	96%
Calculation	94%	91%	96%
Application/Analysis	94%	91%	96%
Assumptions	98%	96%	100%
Communication	96%	96%	96%
Quantitative Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=39)	% of students achieving "3" or higher (Fall 2016) (N=20)	% of students achieving "3" or higher (Spring 2017) (N=19)
Interpretation	97%	100%	94%
Representation	90%	85%	94%
Calculation	92%	90%	94%
Application/Analysis	87%	90%	84%
Assumptions	95%	90%	100%
Communication	95%	95%	94%
Quantitative Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=40)	% of students achieving "3" or higher (Fall 2017) (N=25)	% of students achieving "3" or higher (Spring 2018) (N=15)
Interpretation	96%	96%	100%
Representation	92%	84%	100%
Calculation	86%	72%	100%
Application/Analysis	86%	72%	100%
Assumptions	96%	92%	100%
Communication	96%	96%	100%
Quantitative Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=64)	% of students achieving "3" or higher (Fall 2018) (N=22)	% of students achieving "3" or higher (Spring 2019) (N=42)
Interpretation	84%	86%	81%
Representation	81%	81%	81%
Calculation	78%	81%	74%
Application/Analysis	80%	81%	79%

Assumptions	83%	86%	79%
Communication	94%	99%	88%

Interpretation:

Three of the criteria for the quantitative literacy skills were not met and they include calculation, assumptions and application/analysis in the spring semester. These criteria are interrelated and represent the ability of the student to calculate and then make judgements and draw appropriate conclusions based on the calculation. Therefore, if the student miscalculates they may also draw the incorrect conclusions. It is also plausible that students make the correct calculations but lack the ability to synthesize and apply the data to clinical practice.

Changes to be:

None at this time. When you look at the pooled data our students did not meet the criteria for success on one of the criteria. None of the scores on this rubric were very concerning but bring to light a few areas in clinical application of the materials that need improvement across our majors.

Rubric Used:

ACC&U Quantitative Literacy Rubric

Core Competency:

Critical Thinking

Outcome Measure:

Exercise Physiology (KIN 340) Signature Assignment: Case Analysis and Lab

Criteria for Success (if applicable): 80% of students will be at "3" or higher**Longitudinal Data (From Fall 2014 – Fall 2019):**

Critical Thinking skill	% of students achieving "3" or higher (Pooled Data) (N=39)	% of students achieving "3" or higher (Fall 2014) (N=25)	% of students achieving "3" or higher (Spring 2015) (N=14)
Explanation of issues	72%	72%	70%
Evidence	67%	68%	63%
Influence of context & assumptions	74%	76%	71%
Student's position	77%	80%	70%
Conclusions and related outcomes	62%	64%	76%
Critical Thinking skill	% of students achieving "3" or higher (Pooled Data) (N=46)	% of students achieving "3" or higher (Fall 2015) (N=18)	% of students achieving "3" or higher (Spring 2016) (N=28)
Explanation of issues	79%	67%	90%
Evidence	80%	67%	93%
Influence of context & assumptions	86%	78%	93%
Student's position	91%	89%	93%
Conclusions and related outcomes	79%	67%	90%
Critical Thinking skill	% of students achieving "3" or higher (Pooled Data) (N=39)	% of students achieving "3" or higher (Fall 2016) (N=20)	% of students achieving "3" or higher (Spring 2017) (N= 19)
Explanation of issues	75%	70%	80%
Evidence	85%	75%	95%
Influence of context & assumptions	88%	80%	95%
Student's position	82%	75%	89%
Conclusions and related outcomes	80%	75%	84%
Critical Thinking skill	% of students achieving "3" or higher (Pooled Data) (N=52)	% of students achieving "3" or higher (Fall 2017) (N=26)	% of students achieving "3" or higher (Spring 2018) (N=26)
Explanation of issues	90%	88%	92%
Evidence	87%	81%	92%
Influence of context & assumptions	83%	84%	81%
Student's position	92%	92%	92%
Conclusions and related outcomes	86%	91%	81%
Critical Thinking skill	% of students achieving "3" or higher (Pooled Data) (N=69)	% of students achieving "3" or higher (Fall 2018) (N=27)	% of students achieving "3" or higher (Spring 2019) (N=42)
Explanation of issues	82%	89%	74%
Evidence	73%	70%	76%
Influence of context & assumptions	92%	93%	90%
Student's position	96%	93%	98%
Conclusions and related outcomes	81%	74%	88%

Interpretation:

For the 2018-2019 AY the only criteria that was not met was the evidence category. Overall, Kinesiology faculty have worked to introduce writing assignments earlier on in the curriculum. We hope that by exposing our students to scientific writing earlier in the major that we will see improvement in the number of students who can not only calculate outcomes but who are also good at applying the outcomes and making well thought out clinical decisions based on the results.

Changes to be made:

No changes to be made. However, in courses where students are required to complete written reports, which require them to search the literature and draw conclusions, or calculate, we will place greater emphasis on sources and evidence. This may involve having the students hand in an annotated bibliography.

Rubric Used

ACC&U Critical Thinking

Core Competency:

Information Literacy

Outcome Measure:

Exercise Physiology (KIN 340) Signature Assignment: Case Analysis and Lab

Criteria for Success (if applicable): 80% of students will be at "3" or higher**Longitudinal Data (From Fall 2014 – Fall 2019):**

Information Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=38)	% of students achieving "3" or higher (Fall 2014) (N=25)	% of students achieving "3" or higher (Spring 2015) (N=14)
Determine Information needed	79%	76%	85%
Access Information	87%	80%	100%
Evaluate Information & Sources	59%	56%	64%
Use Information	74%	80%	83%
Access & Use Info Legally & Ethically	95%	96%	92%
Information Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=46)	% of students achieving "3" or higher (Fall 2015) (N=18)	% of students achieving "3" or higher (Spring 2016) (N=28)
Determine Information needed	79%	72%	86%
Access Information	79%	72%	86%
Evaluate Information & Sources	71%	56%	86%
Use Information	73%	56%	90%
Access & Use Info Legally & Ethically	85%	83%	86%
Information Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=39)	% of students achieving "3" or higher (Fall 2016) (N=19)	% of students achieving "3" or higher (Spring 2017) (N=20)
Determine Information needed	70%	65%	75%
Access Information	85%	79%	90%
Evaluate Information & Sources	78%	65%	90%
Use Information	77%	79%	75%
Access & Use Info Legally & Ethically	90%	79%	100%
Information Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=51)	% of students achieving "3" or higher (Fall 2017) (N=25)	% of students achieving "3" or higher (Spring 2018) (N=26)
Determine Information needed	84%	80%	88%
Access Information	82%	76%	88%
Evaluate Information & Sources	71%	68%	73%
Use Information	80%	76%	84%
Access & Use Info Legally & Ethically	88%	88%	88%
Information Literacy skill	% of students achieving "3" or higher (Pooled Data) (N=69)	% of students achieving "3" or higher (Fall 2018) (N=27)	% of students achieving "3" or higher (Spring 2019) (N=42)
Determine Information needed	84%	93%	71%
Access Information	84%	93%	74%
Evaluate Information & Sources	67%	63%	71%
Use Information	74%	74%	74%
Access & Use Info Legally & Ethically	91%	93%	88%

Interpretation:

Information literacy continues to be one of our weaknesses within the core competency assessment. For this particular core competency students did not meet the “evaluate information” criteria when looking at data. Both of these criteria assess the students ability to use various search engines and then organize and synthesize the research from the initial search. Students in the Kinesiology Department have one point of contact with the library faculty and that is the first semester of their freshmen year. During this session they explore the libraries resources however it may be that students need a second exposure to the library resources when they become upper classmen.

Changes to be made:

Consider another classroom visit from library faculty during an upper division course, which will teach students not only have to use databases but how to identify quality articles. We have also created a capstone course which may help student development in these areas.

Rubric Used:

ACC&U Information Literacy

Core Competency:

Written Communication

Outcome Measure:

Exercise Physiology (KIN 340) Signature Assignment: Concept Map Paper

Criteria for Success (if applicable): 80% of students will be at "3" or higher**Longitudinal Data (From Fall 2014 – Fall 2019):**

Written Communication skill	% of students achieving "3" or higher (Pooled Data) (N=38)	% of students achieving "3" or higher (Fall 2014) (N=24)	% of students achieving "3" or higher (Spring 2015) (N=14)
Context/Purpose	82%	79%	86%
Content Development	70%	75%	64%
Genre/Disciplinary Conventions	82%	92%	71%
Sources & Evidence	75%	71%	79%
Syntax & Mechanics	80%	75%	86%
Written Communication skill	% of students achieving "3" or higher (Pooled Data) (N=46)	% of students achieving "3" or higher (Fall 2015) (N=18)	% of students achieving "3" or higher (Spring 2016) (N=28)
Context/Purpose	80%	67%	93%
Content Development	79%	67%	90%
Genre/Disciplinary Conventions	85%	72%	97%
Sources & Evidence	80%	67%	93%
Syntax & Mechanics	91%	89%	93%
Written Communication skill	% of students achieving "3" or higher (Pooled Data) (N=39)	% of students achieving "3" or higher (Fall 2016) (N=19)	% of students achieving "3" or higher (Spring 2017) (N=20)
Context/Purpose	76%	80%	75%
Content Development	77%	63%	90%
Genre/Disciplinary Conventions	87%	84%	90%
Sources & Evidence	84%	78%	90%
Syntax & Mechanics	87%	83%	90%
Written Communication skill	% of students achieving "3" or higher (Pooled Data) (N=67)	% of students achieving "3" or higher (Fall 2017) (N=26)	% of students achieving "3" or higher (Spring 2018) (N=41)
Context/Purpose	91%	97%	85%
Content Development	89%	95%	83%
Genre/Disciplinary Conventions	83%	96%	83%
Sources & Evidence	76%	73%	76%
Syntax & Mechanics	76%	82%	76%
Written Communication skill	% of students achieving "3" or higher (Pooled Data) (N=69)	% of students achieving "3" or higher (Fall 2018) (N=27)	% of students achieving "3" or higher (Spring 2019) (N=42)
Context/Purpose	82%	88%	76%
Content Development	73%	70%	76%
Genre/Disciplinary Conventions	89%	93%	85%
Sources & Evidence	87%	93%	81%
Syntax & Mechanics	83%	74%	92%

Interpretation:

Overall, we did not meet the criteria for content development. Both fall and spring semesters were under the established criteria. When looking at the longitudinal data this appears to be an area of weakness for our graduates.

Changes to be made:

Please see suggested changes in quantitative literacy and information literacy.

Rubric Used:

ACC&U Written Communication

Core Competency:

Oral Communication

Outcome Measure:

Motor Learning and Development (KIN 312) Signature Assignment: Motor Development Oral Presentation

Criteria for Success (if applicable): 80% of students will be at "3" or higher**Longitudinal Data (From Fall 2014 – Fall 2019):**

Oral Communication skill	% of students achieving "3" or higher (Pooled Data) (N=19)	% of students achieving "3" or higher (Fall 2014) (N=7)	% of students achieving "3" or higher (Spring 2015) (N=12)
Organization	89%	70%	100%
Language	95%	99%	99%
Delivery	89%	85%	100%
Supporting material	89%	70%	100%
Central message	95%	85%	99%
Oral Communication skill	% of students achieving "3" or higher (Pooled Data) (N=17)	% of students achieving "3" or higher (Fall 2015) (N=4)	% of students achieving "3" or higher (Spring 2016) (N=13)
Organization	100%	100%	100%
Language	84%	75%	92%
Delivery	84%	75%	92%
Supporting material	88%	75%	100%
Central message	100%	100%	100%
Oral Communication skill	% of students achieving "3" or higher (Pooled Data) (N=15)	% of students achieving "3" or higher (Fall 2016) (N=10)	% of students achieving "3" or higher (Spring 2017) (N=5)
Organization	90%	100%	80%
Language	80%	80%	80%
Delivery	85%	90%	80%
Supporting material	85%	90%	80%
Central message	100%	100%	100%
Oral Communication skill	% of students achieving "3" or higher (Pooled Data) (N=21)	% of students achieving "3" or higher (Fall 2016) (N=21)	% of students achieving "3" or higher (Spring 2018) (N=0)
Organization	100%	100%	NA
Language	95%	95%	NA
Delivery	90%	90%	NA
Supporting material	100%	100%	NA
Central message	90%	90%	NA
Oral Communication skill	% of students achieving "3" or higher (Pooled Data) (N=42)	% of students achieving "3" or higher (Fall 2018) (N=NA)	% of students achieving "3" or higher (Spring 2019) (N=42)
Organization	100%	NA	100%
Language	95%	NA	95%
Delivery	88%	NA	88%
Supporting material	98%	NA	98%
Central message	98%	NA	98%

Interpretation:

Kinesiology students are able to effectively communicate within their discipline.

Changes to be made:

No changes to be made at this time.

Rubric Used:

ACC&U Oral Communication