College of Health Sciences
Assessment Data – Master of Science in Kinesiology Program
2024-2025

Learning Outcome #1
Appraise current research data in Kinesiology and integrate it into their professional practice to solve relevant problems and make effective decisions

Criteria for success: 80% of students will score 80% or better on their overall CAT rubric grade

Signature Assignments: Critical Appraisal Topic Paper

Course: KIN 6010

Percent of students scoring at least 80% or better on their critical appraisal topic						
	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Number of Students	(n=24)	(N=42)	(N=33)	(N=48)	(N=57)	(N=57)
% scoring 70% or better	100%	88%	97%	90%	90%	86%

Interpretation and Conclusion:
We met the criteria for this standard despite increasing the criteria for success from 70% to 80%.
Changes to be made: none
Rubric Used: Critical Appraisal Topic Rubric (see below)

Critical Appraisal Topic Abstract Rubric

	Description
Clinical Scenario (10pts)	A brief description of the clinical scenario leading to the clinical question.
Clinical Question (10pts)	A focused clinical question of importance in sport rehabilitation.
Summary of Key Findings (10 pts)	A bulleted list of the key clinical findings from the search.
Clinical Bottom Line (10 pts)	The most important take-home message from the available evidence. Some statement regarding the level of available evidence and subsequent strength of recommendations is required
Strength of Recommendation (10 pts)	A brief description of the strength of evidence summarized following the critical appraisal

Critical Appraisal Topic Main Text Rubric

Search Strategy: **(5 points)**	Describe the databases and sites searched, the search terms used, and any search limits. The search should ideally have been conducted within several months of submission for publication and should seek to obtain the best available evidence.
PICO (5 points)	Should be in list format – See sample @ JSR website
Inclusion and Exclusion Criteria **(5 points)**	Explicitly list all inclusion and exclusion criteria for your article inclusion
Search Results **(5 points)**	In narrative form, describe the results of your search
Best Evidence **(10 points)**	Indicate how many studies were chosen (MUST INCLUDE AT LEAST 3) for inclusion and appraisal in this CAT and provide the reasons that these studies were selected (ie, level 1 study, etc). *JSR* strongly recommends authors use the Centre for Evidence-Based Medicine's definitions in determining level of evidence
Summary of Best Evidence **(50 points)**	Each of the studies chosen for inclusion in the CAT should be critically appraised in a comparative table. The table might include the following headings: Study Design Participants Intervention Investigated Control Experimental Outcome Measures (Primary and Secondary) Main Findings Level of Evidence Validity Score
Conclusion (15 points)	
Implications for Practice, Education, and Future Research **(25 points)**	Practical discussion based on the information provided from the appraisal of current literature. Anecdotal comments regarding whether or not this intervention is commonly used clinically, cost of this intervention, etc, are appropriate.
Acknowledgements, Conflict of Interest, References **(0 points)**	

Program Learning Outcome #2
Students will work independently to effectively communicate essential information in their discipline.

Criteria for success: 80% of candidates will score at 'proficient' or 'mastery' level on the five components of the AAC&U Oral Communication Rubric (i.e. "3" or higher) as determined by 5 faculty assessors.

Signature Assignments: Thesis and Capstone poster presentations at MS-KIN Research Symposium

Course(s): KIN 6098, KIN6099

Percent of students scoring proficient or mastery on rubric (i.e. 3 or 4)									
Oral Communication Rubric	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Number of Students	(n=25)	(n=26)	(n=24)	NA	NA	NA	(n=21)	(n=24)	(n=24)
Organization:	89%	94%	100%	DNT	DNT	DNT	100%	96%	100%
Supporting material:	80%	93%	95%	DNT	DNT	DNT	95%	96%	96%
Central message:	83%	90%	91%	DNT	DNT	DNT	95%	96%	87%
Delivery:	77%	80%	79%	DNT	DNT	DNT	86%	75%	96%
Language:	78%	96%	100%	DNT	DNT	DNT	95%	100%	100%

Interpretation and Conclusion: The MS-KIN program demonstrated significant improvement in oral communication skills in 2025. Most notably, Delivery—which was identified as a concern in the previous assessment cycle at 75%—improved dramatically to 96%, exceeding the 80% benchmark. Organization remained strong at 100%, and Language remained at 100%. Supporting Material remained stable at 96%. However, Central Message showed a decline from 96% to 87%, which, while still above the 80% benchmark, represents a new area requiring attention. Overall, four of five components were maintained or improved, one got worse, and all exceeded the 80% criterion. The substantial improvement in Delivery suggests that previous efforts to strengthen student presentation skills through feedback, scaffolding, frequency, and rubric-focused instruction have been effective.

Changes to be made: Continue emphasizing presentation feedback in KIN 6098 and KIN 6099, which, although occurring after their CAT presentation, will continue to bolster their presentation skills in a meaningful way. Consider implementing structured peer feedback protocols focused on clearly and concisely articulating the central message of research.

Rubric Used: AACU Oral Communication Rubric

Program Learning Outcome #3
Students will work independently to effectively communicate essential information in their discipline.

Signature Assignments: Oral Presentations in KIN 6005

Criteria for success: 80% of students will score adequate or above in each category of the rubric

Percent of students scoring Adequate or full marks on rubric						
Research Proprosal Rubric	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Number of Students	(n=34)	(n=24)	(n=39)	(n=36)	(n=35)	(n=35)
States Research Problem	100%	100%	100%	94%	100%	100%
Literature Review	100%	100%	100%	94%	97%	100%
Hypothesis	100%	100%	100%	94%	97%	100%
Study Aims	100%	100%	100%	94%	100%	100%
Participants	100%	100%	100%	94%	100%	100%
Instrumentation	100%	100%	100%	94%	97%	100%
Statistical Design and Analysis	100%	100%	100%	94%	100%	100%
Organization	82%	96%	74%	94%	100%	98%

Interpretation and Conclusion: All learning outcomes for this measure were met despite increasing standard from 70% to 80%.

Changes to be made: Potentially none. Continue current practices supporting oral communication development. However, it may be important to assess the rigor with which students are being held to the rubric criteria, and whether a 3-minute presentation can truly capture all of the required components.

Rubric Used: KIN6005 Oral Presentation Rubric

	Full Marks	Adequate	Limited	None
States Research Problem	Full Marks (10 pts)	Adequate (6 pts)	Limited (3 pts)	None (0 pts)

Literature Review	Thoroughly reviews current research on problem (20 pts)	Adequately reviews current research on problem (15 pts)	Limited Review (7 pts)	None (0 pts)
Hypothesis	Clearly states null and research hypotheses (10 pts)	Adequately states hypotheses (8 pts)	Partially state hypotheses (5 pts)	None (0 pts)
Study Aims	Thoroughly states purposes of study (10 pts)	Adequately states study's purposes (7 pts)	Partial aim (5 pts)	None (0 pts)
Participants	Full description: subjects, sample size, power analysis, IRB, recruitment, inclusion criteria (10 pts)	Adequate description of subjects (7 pts)	Partial description (5 pts)	None (0 pts)
Instrumentation	Full description: equipment, validity, reliability, location, access (15 pts)	Adequate description of instrumentation or tools (11 pts)	Partial description (5 pts)	None (0 pts)
Statistical Design and Analysis	Clearly states statistical design, IV, DV, normality, tests, appropriateness for hypothesis testing (20 pts)	Adequate analysis (12 pts)	Partial analysis; statistics do not match hypothesis (5 pts)	None (0 pts)
Organization	Slides were well-organized, speaker was succinct and coherent, answered questions sufficiently (5 pts)	To the point but somewhat unclear (3 pts)	None (0 pts)	

Program Learning Outcome #4
Alumni gained valuable career skills in the MS Kin program

Outcome measure: Alumni Survey

Alumni Survey Questions

#1
Appraise current research data in Kinesiology and integrate it into their professional practice to solve relevant problems and make effective decisions.
#2
Work independently and with a team to communicate essential information in their discipline
#3
Demonstrate appropriate breadth of knowledge of the background and principle research in their specialization in order to conduct an independent research project.
#4
Pursue an active and growing involvement in their discipline by achieving advanced certification and/or membership in a professional organization in their discipline.
#5
Serve various populations, integrating compassionate care and the Christian faith with their professional practice.

Criteria for success:
70% of students will say that the MS-KIN "enhanced" or "greatly enhanced" their ability on the questions below.

Signature Assignments: Alumni Survey								
To what extent did the MS KIN enhance your ability to do the following:	2017 (n=29)	2018 (n=25)	2019 (n=26)	2020 (n=17)	2021 (n=18)	2023 (n=12)	2024 (n=16)	2025 (n=16)
Evaluate the quality of research data in Kinesiology and integrate it into your practice (#1)	97	96	92	100	100	100	100	97

Work with a team to communicate essential information in your discipline (#2)	86	92	92	100	87	100	94	92
Gain knowledge in research related to your discipline in order to conduct an independent project or write a research proposal (#3)	96	96	92	82%	100	100	100	98%
Consider the Christian faith as it relates to your professional practice (#4)	77	75	84	66	67	93	58	70%
Prepare you for your professional life and career (#5)	NC	92	100	100	100	100	93	98%

Interpretation and Conclusion:
The 2025 alumni survey results show improvement in the area of Christian faith integration, though this remains the weakest outcome relative to the program's mission. Question #4 (Christian faith integration) improved from 58% in 2024 to 70% in 2025, a gain of 12 percentage points. While this improvement is noteworthy, the outcome remains below the 80% benchmark and below performance on all other program outcome measures. Questions #1-3 and #5 all exceeded 97%, demonstrating that the program effectively enhances student research appraisal skills, team communication, research knowledge, and career preparation. The persistent gap in faith integration suggests that intentional, systematic approaches to this outcome are needed across the curriculum, not just in foundational courses. However, it may also reflect the fact that a much larger percentage of our MS-KIN students practice other faiths or are not religious. It is possible that those who don't identify as Christian consistently answer this question with lower scores.

Changes to be made: Implement a systematic approach to faith and learning integration across the MS-KIN curriculum. Discuss faith integration in each core course (KIN 6005, 6010, 6050, 6098, 6099) and provide faculty guidance on how to meaningfully connect course content to Christian perspectives on human movement, health, and service. Consider dedicating time during MS-KIN program meetings to share successful faith-integration strategies across disciplines and concentrations.

Rubric Used: Alumni Survey form (see above).