

Learning outcome 1 - Research Design **MET**

The students will design a mock research study consisting of an introduction with a review of pertinent literature, proposed methods of conducting the research and references. The methodology associated with successful completion of a realistic research project is taught within the course. The research proposal can be regarded as an examination of the student's acquired knowledge of research methodology. Students will compare and contrast two common research designs utilized in Kinesiology.

MEASURES	RESULTS	ACTIONS
<p>Assessment 1: Mock Study</p> <p>Assessment 1: Mock Study The components of the grade include:</p> <ol style="list-style-type: none"> 1. Understanding of problem to be researched, (2) Appropriateness of proposed methodology, (3) Literature cited in correct format (APA format standard, others may be accepted with the permission of the professor), (4) Quality of writing. <p>Because the understanding of professional literature and study design is vital for all graduate students, this SLO was chosen to assess MS Kinesiology students' ability to understand the components and methodology associated with technical writing and research design.</p> <p>Direct - Assignment</p> <p><i>Research Methods: KINT 5360</i></p> <p>Target</p> <p>At least 75% of the students enrolled in the course will achieve a grade of $\geq 80\%$ on their mock study assignment.</p>	<p>MET</p> <p>Summary</p> <p>KINT 5360 was not taught in the 2024-25 academic cycle, it will be taught Fall 2025.</p> <p>Analysis</p> <p>This is a new assessment and no data was collected during the 2024-25 academic year.</p>	<p><i>No actions have been added.</i></p>
<p>Assessment 2: Design Comparison</p> <p>Assessment 2: Design Comparison Correct identification of type of research design. (2) Strengths and weaknesses of both research designs. (3) Identifying the correct application of each design.</p> <p>Because the understanding of professional literature and study design is vital for all graduate students, this SLO was chosen to assess MS Kinesiology students' ability to understand the components and methodology associated with technical writing and research design.</p> <p>Direct - Assignment</p> <p><i>Research Methods: KINT 5360</i></p> <p>Target</p>	<p>MET</p> <p>Summary</p> <p>KINT 5360 was not taught during the 2024-25 academic cycle, it will be taught Fall 2025.</p> <p>Analysis</p> <p>This is a new assessment and no data has been collected during the 2024-25 academic year.</p>	<p><i>No actions have been added.</i></p>

At least 75% of the students enrolled in the course will achieve a grade of $\geq 80\%$ on their research design comparison.

Conclusion

The assessments in KINT 5360 are new and will be gathered in the fall 2025 semester, at this time there is not data for the objective

Learning Outcome 2 - Applying and Evaluating Research **MET**

Ability to critically evaluate research related to the discipline of Kinesiology. The student shall write three summary papers evaluating research. The research evaluated will come from peer-reviewed journals within the discipline of Kinesiology (e.g. sports performance, physiology of exercise, exercise and health issues, etc.). Each student will select one of the three articles and present the paper in class.

MEASURES	RESULTS	ACTIONS
<p>Assessment 1: Evaluating articles</p> <p>Assessment 1: Rubric for summary papers:</p> <ol style="list-style-type: none"> 1. What is (are) the research question(s)? (3 pts) 2. What is the study design (methods)? Look at their methods, and describe the study design (i.e. subjects, group(s), training protocol, measurement(s)). (3pts) 3. How did the researchers address the question(s)? What did they do in the research design to answer the question(s) (Statistics) ? (4pts) 4. Description of findings (3pts) 5. What did the researchers conclude and why (discussion)? (2pts) 6. Students opinion (5 points) What did the student think of the study? Does the study have a practical application? <p>Direct - Assignment</p> <p><i>Stats Application Kinesiology: KINT 5365</i></p> <p>Target</p> <p>At least 75% of the students enrolled in the MS in Kinesiology program will achieve an average grade of 80% or better on the three research evaluation papers submitted. Twenty points are possible for each of the three summaries, therefore the grade should be greater than or equal to 48 points.</p>	<p>MET</p> <p>Summary</p> <p>Over 90% of MS Kinesiology students achieved a grade of 80% or greater on the three articles reviewed.</p> <p>Analysis</p> <p>The MS Kinesiology students were able to demonstrate an understanding of current literature in the field and surpassed the target for this objective.</p>	<p><i>No actions have been added.</i></p>
<p>Assessment 2 Oral presentation</p> <p>Assessment 2 Oral presentation Presentations are to be no more than five slides. Explanations do not go on slides</p> <p>Slide one: Explanation Title and research question(s) Explain how the researchers address questions.</p> <p>Slide two:</p>	<p>MET</p> <p>Summary</p> <p>Over 90% of MS Kinesiology obtained a score of 80% or greater on their presentations.</p> <p>Analysis</p> <p>The target for this objective was met as MS Kinesiology demonstrated the ability</p>	<p><i>No actions have been added.</i></p>

<p>Measurements What measurements were taken and how often.</p> <p>Slide three: Findings: Use a table, graph, stats What did the findings tell us i.e. do we have significant differences, if so where?</p> <p>Slide Four: Conclusion What did the researchers find.</p> <p>Slide Five: Your opinion You may use one more slide if you need more room (i.e. more than one table in findings).</p> <p>Presentation graded on: (1) Proper interpretation of content (10 pts), (2) Format of slides (5 pts) and (3) Clarity of oral presentation (5 pts)</p> <p>Direct - Assignment</p> <p><i>Stats Application Kinesiology: KINT 5365</i></p> <p>Target</p> <p>At least 75% of the students enrolled in the MS in Kinesiology program will achieve an average grade of 80% or better on the three research evaluation papers submitted. Twenty points are possible for the presentation, therefore the grade should be greater than or equal to 16 points.</p>	<p>to understand and interpret the meaning of articles in the field of Kinesiology.</p>	
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Conclusion

The ability to find, read and comprehend research in the area of Kinesiology is a vital skill for any profession of MS Kinesiology students. The article reviews and presentation demonstrated that this competency was achieved.

Learning Outcome 3 - Exercise Physiology Competency **MET**

Physiology content
Kinesiology graduate students shall demonstrate knowledge and understanding of the basic physiological adjustments/adaptations to both acute and chronic exercise. The students will provide written answers to questions regarding the physiological adaptations to exercise. These questions will be graded on 4-point standards-based scale.

Identify fitness test
Students must be able to identify the appropriate laboratory and field tests to evaluate human performance. The students will provide written answers to questions regarding testing of the physiological adaptations to exercise. These questions will be graded on 4-point standards-based scale.

MEASURES	RESULTS	ACTIONS
<p>Assessment 1: Physiology content</p> <p>Assessment 1: Physiology content Kinesiology graduate students shall demonstrate knowledge and understanding of the basic physiological adjustments/adaptations to both acute and chronic exercise. The students will provide written answers to questions regarding the physiological adaptations to exercise. These</p>	<p>MET</p> <p>Summary</p> <p>Over 90% of MS Kinesiology students achieved a mean score of 3 or better on their written answer to competency question on exercise physiology.</p> <p>Analysis</p>	<p>No actions have been added.</p>

<p>questions will be graded on 4-point standards-based scale.</p> <p>Direct - Assignment</p> <p><i>Scientific Basis of Exercise: KINT 5340</i></p> <p>Target</p> <p>At least 75% of the students enrolled the MS in Kinesiology program will achieve a mean score of greater than or equal to 3 on both the content questions.</p>	<p>The MS Kinesiology students were able to demonstrate content mastery of exercise physiology in their written responses.</p>	
<p>Assessment 2 : Identify fitness test</p> <p>Assessment 2 : Identify fitness test Students must be able to identify the appropriate laboratory and field tests to evaluate human performance. The students will provide written answers to questions regarding testing of the physiological adaptations to exercise. These questions will be graded on 4-point standards-based scale.</p> <p>Direct - Assignment</p> <p><i>Scientific Basis of Exercise: KINT 5340</i></p> <p>Target</p> <p>At least 75% of the students enrolled the MS in Kinesiology program will achieve a mean score of greater than or equal to 3 on fitness testing identifications.</p>	<p>MET</p> <p>Summary</p> <p>Over 90% of MS Kinesiology students achieved a mean score of 3 or greater on the written answers provided over fitness test.</p> <p>Analysis</p> <p>The MS Kinesiology majors were able to demonstrate content knowledge on fitness test that surpassed the target for this assessment.</p>	<p><i>No actions have been added.</i></p>

Conclusion

Overall assessment of outcome 3 was that students were able to demonstrate content knowledge in exercise physiology and fitness testing that met and exceeded the target for this outcome.