

**DEPARTMENT OF KINESIOLOGY AND HEALTH PROMOTION  
GRADUATE PROGRAM  
MASTER'S OF SCIENCE IN KINESIOLOGY  
ASSESSMENT PLAN**

**Measurable Competencies (Learning Outcomes)**

Upon graduation, all students in the Master's Program will demonstrate proficiency in the following areas:

1. to communicate ideas clearly in writing and speech;
2. to critically evaluate and synthesize the scholarly literature germane to kinesiology;
3. to collect, analyze, and interpret data;
4. to conduct and present independent research or professional project appropriate to kinesiology.

**Correspondence between Student Learning Objectives and Course Offerings**

The assessment criteria described in Measurable Competencies lists four specific learning outcomes that graduates at the master's level should acquire to meet the department's mission statement. To demonstrate these competencies, students will be evaluated on them throughout their graduate course work. The chart on the next page lists the competencies and the graduate courses that introduce, develop or master these competencies. For consistency, this graduate assessment plan is using the same notation as the undergraduate student learning outcomes as listed below:

- I Students are **introduced** to the outcome
- D Students have the opportunity to further **develop** the outcome  
[Some use P (practice) or R (reinforced) to represent this level]
- M Students can demonstrate **mastery** at the exit level  
[Some use D (demonstrate) to represent this level]

While much of the introductory material is covered by prerequisites for each of the specializations and the option, the curriculum map illustrates that in many of the courses, complex and new concepts are introduced that build upon competencies already developed. Thus, it is not unusual for individual courses to review basic concepts, introduce new ones, and practice or reinforce these competencies.

**Terms Defined:**

1. The term "**Introduce**" delineates discipline-related concepts typically covered in introductory level courses. Criteria for measurement: In such courses, terms and discipline related concepts are presented to students in broad terms so that a foundation of knowledge for which future discussion and exploration can be developed. Assessment for cognitive understanding of terms and discipline related topics are in the form of written examinations, research papers, oral presentations, etc.
2. The term "**Develop**" delineates information that has previously been introduced in introductory level courses and applied during activity and laboratory sections. Criteria for measurement: In aligning with the polytechnic tradition, students are afforded ample opportunities to practice concepts learned through lectures in both activity and laboratory courses. In doing so, the intent is for faculty to assist students in developing the ability to reinforce knowledge. Students are evaluated on their ability to further develop theory into practice.

3. The term “**Master**” delineates how the KHP faculty demonstrate reinforcing a myriad of terms and discipline related concepts evident within required and supplementary coursework. Criteria for measurement: Such terms and concepts are continuously synthesized within required and supplemental coursework to solidify student understanding, comprehension, and application.

**It should be noted that the aforementioned terms are not mutually exclusive of one another. In many courses, particularly those with accompanying labs or activity sections, it is likely that terms and concepts will be introduced during lectures, refined through application during activity and lab sections, and reinforced during lectures as well as activity and lab sections.**

<b>Adapted Physical Education</b>	<b>Course #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Research Methods	KIN 590	I	I		I, D
Research Design	KIN 591	D		I, D	D
Motor Assessment for Individuals with Disabilities	KIN 401S/401AS	D	D	D	D
Physical Education for Physically and Other Health Impaired	KIN 406S/406AS	I, D	I, D	I, D	
Physical Education for Individuals with Severe Disabilities	KIN 410S/410AS	I, D	I, D	I, D	
Curriculum Development in Physical Education	KIN 553	D	D	D	
Instructional Strategies in Physical Education	KIN 559	I, D	I, D	I, D	
Management of Adapted Physical Education Programs	KIN 570	M	D	D	I, M
Motor Practicum for Individuals with Disabilities	KIN 575S/575AS	D	I		
Master's Project or Thesis	KIN 695 or 696	M	M	M	M

I = Introduce; D = Develop; M = Master

<b>Curriculum and Instruction</b>	<b>Course #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Research Methods	KIN 590	I	I		I, D
Research Design	KIN 591	D		I, D	D
Curriculum Development in Physical Education	KIN 553	D	D	D	
Evaluating Teacher Effectiveness in Physical Education	KIN 555	I, D	I, D		
Instructional Strategies in Physical Education	KIN 559	I, D	I, D	I, D	
Master's Project, Thesis, or Exam	KIN 695 or 696 or 697	M M	M	M	M

I = Introduce; D = Develop; M = Master

<b>Exercise Physiology</b>	<b>Course #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Research Methods	KIN 590	I	I		I, D
Research Design	KIN 591	D		I, D	D
Sports Medicine	KIN 455		I		I
Advanced Physiology of Exercise	KIN 683/683L	D	D	D	D
Advanced Exercise Testing and Counseling	KIN 684	D	D	D	D
Master's Thesis	KIN 696	M	M	M	M

I = Introduce; D = Develop; M = Master

<b>Sport Nutrition</b>	<b>Course #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Research Methods	KIN 590	I	I		I, D
Research Design	KIN 591	D		I, D	D
Advanced Nutrition	FN 533	I, D	D	I, D	D
Advanced Physiology of Exercise	KIN 683/683L	D	D	D	D
Advanced Exercise Testing and Counseling	KIN 684	D	D	D	D
Nutrition in Sports and Exercise	KIN/FN 685				
Master's Thesis	KIN 696	M	M	M	M

I = Introduce; D = Develop; M = Master

### **Assessment Tools**

#### 1. Master's Thesis, Master's Project, and Comprehensive Examination

- a) The Master's Thesis must meet the criteria established by the department. The department's criteria require students to demonstrate an appropriate level of competency as stated in the Master's Thesis Course Outline and Syllabus (see Appendix D and E). The thesis will assess whether students have acquired an appropriate level of knowledge and research skills, statistical analysis, data collection, oral presentation and writing. Upon completion of the thesis, the student will present his/her thesis to the thesis committee. The thesis demonstrates the student's ability to:
  - i. Conduct independent research;
  - ii. Describe the specific aim of the research and formulate the hypotheses to be tested;
  - iii. Organize the review of related literature and organize the literature in a logical and understandable format;
  - iv. Collect and organize the data;
  - v. Analyze the data and accurately reporting the results of the findings;
  - vi. Present meaningful discussion and draw a conclusion;
  - vii. Deliver an oral presentation of the final thesis.
  
- b) The Master's Project must meet the criteria established by the department. The department's criteria require students to demonstrate an appropriate level of competency as stated in the Master's Project Course Outline and Syllabus (see Appendix D and E). The project will assess whether students have acquired an appropriate level of knowledge and research skills, including statement of the problem, significance of the study, project purpose, methodology, oral presentation and writing. In addition, completion of the project will require evidence of originality and independent thinking, as well as appropriate form and organization. The project demonstrates the student's ability to:
  - i. Critically analyze scholarly literature;
  - ii. Develop scholarly document that justifies the topic;
  - iii. Produce a document that articulates the rationale and methods of the project;
  - iv. Delivers an oral presentation of the final project.

- c) The Comprehensive Exam is designed to test the student's understanding of curriculum and instruction theory in secondary school physical education program. Criteria are established to insure that the exams test whether the student has acquired the minimum skill and knowledge level to warrant a Master's degree. Upon completion of the Comprehensive Examination, the writer of the exam along with the student's graduate advisor will evaluate the level of competencies demonstrated in each section of exam.

2. Measurable Competencies (Learning Outcomes)

Upon graduation, <b>all students in the Master's Program</b> will demonstrate measurable competencies in the following areas:	Courses	Evaluation
1. to communicate ideas clearly in writing and speech	590 591 695/6 697	Literature Review - rubric Written Exam - rubric Final Pro/Thesis - rubric Written exam - rubric
2. to critically evaluate and synthesize the scholarly literature germane to kinesiology	590 695/6 697	Literature Review - rubric Final Pro/Thesis – rubric Written exam - rubric
3. to collect, analyze, and interpret data	591 695/6	Written Exam - rubric Final Pro/Thesis - rubric
4. to conduct and present independent research or professional project appropriate to kinesiology	590 591 695/6	Thesis or Proj Proposal– rubric Written exam– rubric Final Pro/Thesis -rubric

Candidates in the <b><i>Adapted Physical Education</i></b> specialization will demonstrate:		
1. to communicate ideas clearly in writing and speech	401S/SA 570	Presentation-rubric Final project - rubric
2. to critically evaluate and synthesize the scholarly literature germane to kinesiology	401S/SA 406S/SA 410S/SA 553 559 570 575S/SA	Final project – rubric Curriculum project – rubric Written exam – rubric Final project – rubric Annotated Biography- rubic Final project – written & oral
3. to collect, analyze, and interpret the data	401S/SA 406S/SA 410S/SA 553 559 570 575S/SA	Administer tests – rubric Administer tests – rubric Final project – rubric Final exam – rubric Project – rubric Final project - rubric
4. to conduct and present independent research or professional project appropriate to kinesiology	401S/SA 406S/SA 410S/SA 553 559 570	Final project – rubric Written exam – rubric Final project – rubric Final project – rubric Project - rubicv Final project - rubric

Candidates in the <b>Curriculum &amp; Instruction</b> specialization will demonstrate:		
1. to communicate ideas clearly in writing and speech	559	Annotated Biography - rubric Student presentation - rubric
2. to critically evaluate and synthesize the scholarly literature germane to kinesiology	553 555 559	Final exam – rubric Paper – rubric Annotated Biography – rubric
3. to collect, analyze, and interpret the data	553 555 559	Final exam – rubric Video tape analysis – rubric Project - rubric
4. to conduct and present independent research or professional project appropriate to kinesiology	553	Final project – rubric

Candidates in the <b>Exercise Physiology</b> specialization will demonstrate:		
1. to communicate ideas clearly in writing and speech	455 683/L 684	Exam & Presentation – rubric Paper and Presentation Exam- rubric
2. to critically evaluate and synthesize the scholarly literature germane to kinesiology	683/L 684	Exam– rubric Exam - rubric
3. to collect, analyze, and interpret the data	455 683/L 684	Exam – rubric Presentation – rubric Presentation - rubric
4. to conduct and present independent research or professional project appropriate to kinesiology	684	Presentation - rubric

Candidates in the <b>Sport Nutrition</b> Option will demonstrate:		
1. to communicate ideas clearly in writing and speech	FN 533 683/L 684 685	Paper and Presentation Presentation – rubric Final exam - rubric
2. to critically evaluate and synthesize the scholarly literature germane to kinesiology	FN 533 683/L 684 685	Paper – rubric Paper –rubric Paper - rubric
3. to collect, analyze, and interpret the data	FN 533 683/L 684 685	Presentation – rubric Presentation – rubric Paper - rubric
4. to conduct and present independent research or professional project appropriate to kinesiology	FN 533 683/L 684 685	Presentation – rubric Presentation – rubric Presentation - rubric