

KINESIOLOGY-Exercise Science PLAN

Department/Program: Kinesiology

Student Learning Objectives (SLO) for EXERCISE SCIENCE UNDERGRADUATE MAJORS

Students will be able to:

Students will be able to:

1. Apply anatomical and biomechanical principles to human movement.
2. Apply physiological and homeostatic concepts to human movement.
3. Use a variety of technologies to support inquiry and professional practice.
4. Understand and apply the principles of fitness assessment and prescription to a diverse population.
5. Evaluate scientific literature in the discipline, with the ability to understand and synthesize the information and to convey this information in both verbal and written form.

Outcome Measure	SLO's	Description of Departmental Use of Data
At the completion of the exercise science program students will have deposited selected artifacts in an e-portfolio for direct assessment. Artifacts include: Biomechanical Project, Senior Research Project, Exercise Prescription Case Study Project	1, 2, 3, 4, 5	Data is collected and reported annually by the departmental director to department assessment committee. Test results are discussed annually in department meeting.
Senior project & Internship – exercise science majors will complete a senior project and an internship to directly assess learning outcomes.	1, 2, 3, 5	Data is collected by director of program reported to the department assessment committee for discussion and analysis.
Final assessment in KIN 372, KIN387, KIN415, and KIN477 in form of portfolio assessment, laboratory work, formal presentations, and exit exams	1,2, 3, 4, 5	Artifacts are analyzed by director of exercise science and reported to chair and department assessment committee. Test results discussed annually at a department meeting.

1. **Results**—Review activities and findings by completing the Assessment Activities Table below. You can also provide a brief discussion afterward if you feel it would help the committee understand your assessment activities and findings during this cycle.

Assessment Activities Table

<p>This year we assessed SLO(s)... (list each SLO in its own row)</p>	<p>...using Outcome Measure(s) (OMs). (See Report Instructions for description and example) Direct OM(s): Indirect OM(s):</p>	<p>Findings: program-performance for these SLOs, as indicated by these OMs, is: Excellent/Satisfactory/Needs Improvement (See Report Instructions for description and example)</p>	<p>Strategies for Improvement (in selected areas): (See Report Instructions for description and example)</p>
<p>SLO 1 Apply anatomical and biomechanical principles to human movement</p>	<p>Direct OM(s): KIN 372 Biomechanics research Project. See description below (1) KIN 473B Senior Research Project. See description below (2) KIN 387 Case study project Indirect OM(S): Course Evaluations, letters of appreciation, promotion to Tenure, graduation rate, # of reference letters to graduate schools requested, entrance to graduate schools</p>		
<p>SLO 2 Apply physiological and homeostatic concepts to human movement</p>	<p>Direct OM(s): KIN 372 Project KIN 473B Project KIN 387 (Case Study Project) Indirect OM(S): Course Evaluations, letters of appreciation, promotion to Tenure, graduation rate, # of reference letters to graduate schools requested, entrance to graduate schools</p>		
<p>SLO 3 Use a variety of technologies to support inquiry and professional practice</p>	<p>Direct OM(s): KIN 370: Dartfish KIN 372: Dartfish KIN 387: Metabolic Cart</p>		

	<p>KIN 440:Metabolic Cart, Velotron KIN 477: Metabolic Cart, Velotron, EMG KIN 473B: Indirect OM(S): Course Evaluations, letters of appreciation, promotion to Tenure, graduation rate, # of reference letters to graduate schools requested, entrance to graduate schools</p>		
<p>SLO 4 Understand and apply the principles of fitness assessment and prescription to a diverse population</p>	<p>Direct OM(s): KIN 370 Labs (10) KIN 372 Project KIN 387 Lab KIN 440 Lab KIN 477 Lab KIN 473B see description below Indirect OM(S): Course Evaluations, letters of appreciation, promotion to Tenure, graduation rate, # of reference letters to graduate schools requested, entrance to graduate schools</p>		
<p>SLO 5 Evaluate scientific literature in the discipline, with the ability to understand and synthesize the information and to convey this information in both verbal and written form</p>	<p>Direct OM(s): KIN 373: Research Seminar KIN 415: Research Methods KIN 473B: Senior Research project Indirect OM(S): Course Evaluations, letters of appreciation, promotion to Tenure, graduation rate, # of reference letters to graduate schools requested, entrance to graduate schools, Number of presentations of student research improves every year</p>		

Discussion (Optional): The following assignments were used to measure the listed SLOs.

2. What **revisions**, if any, to current SLOs and/or outcome measures did you make from previous plan?

3. **Plans**- What learning objectives will you be assessing in the next cycle?

KINESIOLOGY- EXERCISE SCIENCE SLO's

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Intructions

Mark the courses/events/experiences/activities that currently address either Program SLOs or VU/Gen Ed SLOs for Gen Ed courses using the following:

Enter an **I** to indicate students are introduced to the SLO

R indicates the SLO is reinforced and students afforded opportunities to practice

M indicates that students have had sufficient practice and can now demonstrate mastery appropriate for the degree level

A indicates where evidence is collected and evaluated for program-level assessment as specified in the Departmental Assessment Plan

Course/	Exercise Science Program/Department SLOs					
Experience	# 1	# 2	# 3	# 4	# 5	
150						
220						
340	R	R	I	I	I	
370	R	R	R/A			
372	R/A	R/A	R/A		R/A	
373	R	R	R		R	
387	R/A	R/A	M/A	M		
415	R	R	R	R	R/A	
440	R	R	R/AI	R	A	
473	M/A	M/A	M/A	M	M/A	
477	M	M	M/A	M		