

## **GCU Academic Program Assessment Plan (Updated Fall 2016)**

### **Program: Exercise Science, Wellness, & Sports**

**Learning Outcomes:** Upon successful completion of the program of studies for the Exercise Science, Wellness, & Sports major, the student will earn a Bachelor of Sciences degree and will have given evidence of the following program outcomes:

#### **Knowledge and Theories of Exercise Science**

**LO1:** Students will recall and apply the major concepts of exercise science, especially in the areas of functional anatomy, physiological responses to exercise, and the principles of nutrition, through standardized testing and in class exams.

#### **Practitioner Skills of Exercise Science**

**LO2:** Within lab demonstrations, class assignments and case studies, students will apply skills related to conducting exercise tests and prescribing exercise programs, including, but not limited to, stratifying the population according to risk, choosing an appropriate test based on health status, conducting fitness tests, and prescribing exercise programs for both healthy and diseased populations.

#### **Effective Communication**

**LO3:** Students will communicate effectively in both written and oral formats, alone and in teams, and demonstrate academic research skills as applied to exercise science through assigned writing and research-based assignments and in class presentations.

#### **Professional Ethics**

**LO4:** Students will reflect upon and apply professional standards and ethics in exercise science professions through personal integration, case studies, and internship opportunities.

<b>Program: Exercise Science</b>	<b>LO 1 : Knowledge and Theories</b>	<b>LO 2: Practitioner Skills</b>	<b>LO 3: Effective Communication</b>	<b>LO 4: Professional Ethics</b>
<i>Related ISLG</i>	3A	2, 3A, 10	1, 2, 9	4
<i>Related BRIDGE General Education Goals (if applicable)</i>				
<i>Related Accreditation Standard (if applicable)</i>				
<b>Program Course and Experiential Learning Mapping to Program Outcomes</b>				
How do students learn this? In what course(s) and/or co-curricular experience(s)?	ES111, ES220, ES250, ES255, & ES30  Electives: ES275, ES310, ES340, ES425	ES111, ES330, ES350  Electives: ES340, ES425	ES111, ES220, ES330, ES470  Electives: ES211, ES360, ES471	ES100, ES350, ES390, ES391, ES470.  Electives: ES211, ES315, ES320, ES325, ES360, ES392, ES471
How and in what <u>course(s)</u> do they demonstrate that they have <u>achieved</u> this outcome.				
Formative Assessment will occur in ...	ES111	ES111	ES220	ES100
Summative Assessment will occur in...	ES220, ES250, & ES330	ES350	ES470	ES390

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Assessment Protocol				
How and when do you assess the achievement of all students in your program before they graduate and record the results of your assessment?				
Formative Assessment				
Direct Evidence	Item analysis of a standardized test of knowledge and applications administered to all students at the end of ES111.	ES 111: Personal fitness assessment project that requires students to prescribe an exercise protocol based on data related to their own health status, fitness tests, and health goals. Assessed by program rubric.	ES 220: Group debate project evaluated by rubrics for oral communication and teamwork  Final Eating Habits project evaluated by rubrics for written communication and inquiry & analysis	ES 100: Knowledge test on the Professional Ethics and Responsibilities of an Exercise Science Professional
Indirect Evidence	See summative indirect evidence.		Grades analysis from papers and oral presentations made in electives.	
Summative Assessment				
Direct Evidence	ES220, ES250, & ES330: Item analysis of a standardized test of knowledge and applications	ES 350: Lab practical which requires students to prescribe an exercise	ES 470: Group project presentation, based on academic research in the	ES 390: Item analysis of evaluation forms completed by internship

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	administered to all students at the end of ES220, ES250, and ES330.	protocol based on data related to an individual's health status, fitness tests, and health goals. Assessed by program rubric.	discipline, and evaluated by rubrics featuring oral presentation skills, teamwork, and academic research.	supervisors. The items on the evaluation form will be based on a rubric for professional standards and ethics.
Indirect Evidence	(Program) Indirect evidence is taken from SIR II course evaluations, final grades for the courses, and program retention rates.			
What do you consider satisfactory achievement of this outcome? WHY?				
Formative Assessment				
Direct Evidence	At least 50% of exam-embedded content questions will be correctly answered by at least 80% of students in ES 111. 75% of embedded questions will be correctly answered by at least 25% of the students taking the exam. Exam results will be reported as item analysis.	75% of students score a 3 (accomplished) or better on the “calculation” rubric competency; 75% score a 2 (developing) or better on all other rubric categories.	At least 75% of students score at or above the developing level (level 2) on all rubric competencies.	At least 80% of students correctly answer at least 70% of questions on the knowledge test of professional ethics and standards for exercise science professions.

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Indirect Evidence				
Summative Assessment				
Direct Evidence	At least 50% of exam-embedded content questions will be correctly answered by at least 80% of students in all courses designated for this outcome. All embedded questions will be correctly answered by at least 25% of the students taking the exam. Exam results will be reported as item analysis.	80% of students score a 3 (accomplished) or better on all rubric categories.	At least 75% of students score at or above the accomplished level (level 3) on all rubric competencies.	At least 75% of students score a 3 (satisfactory) or better on all evaluation items related to professional ethics and standards.
Indirect Evidence	(Program) At least 80% of students complete the SIR II survey for all designated courses, and report an overall rating of at least 3 out of 5 (average rating) in Section F: Course Outcomes.  The department will do an analysis of DFW grades in gateway courses.  Program retention rates will meet or exceed university norms.			
Program Assessment Time Frame				

<b>Program: Exercise Science</b>	<b>LO 1 : Knowledge and Theories</b>	<b>LO 2: Practitioner Skills</b>	<b>LO 3: Effective Communication</b>	<b>LO 4: Professional Ethics</b>
Time Frame for Assessing the outcome.	<b>Year 2:</b> Data will be collected and analyzed during year 2. Depending on the outcome, follow-up data may be collected in year 3 and the following year 1 to add to the analysis in the next cycle of assessment.	<b>Year 3:</b> Data will be collected and analyzed during year 3. Depending on the outcome, follow-up data may be collected in the following years 1 and 2 to add to the analysis in the next cycle of assessment.	<b>Year 1:</b> Data will be collected and analyzed during year 1. Depending on the outcome, follow-up data may be collected in the following years 2 and 3 to add to the analysis in the next cycle of assessment.	<b>Year 1:</b> Data will be collected and analyzed during year 1. Depending on the outcome, follow-up data may be collected in the following years 2 and 3 to add to the analysis in the next year 1.

## GCU Program Assessment Report Form

<b><i>GCU Program Assessment Annual Report</i></b>
<b><i>Program:</i></b>  <b><i>Division:</i></b>  <b><i>Date:</i></b>  <b><i>Program Assessment Liaison:</i></b>
<p>Based on the above plan and the designated outcome(s) assessed for the academic year, the major program submits a Program Assessment Report annually that contains the program assessment plan, assessment data and analysis, and action steps to be taken by the program based on these results. See below for the outline of this report.</p>
Learning Outcome(s) Assessed:
Assessment Protocol Description
Assessment Data and Findings
Analysis of Data:
Are these results satisfactory? Why or Why not?
Action Plan based on Assessment Results:
Time Frame for Action Plan:

**Assessment Data:** Please include the data that you used to complete the above report. Attach rubrics, tallies, and method of validation.