

Academic Year Covered in this Report: 2019/2020

Program: HHP Exercise Science Dept. September  
 Chair: Dr. Todd Sherman Date: 2020

**All Exercise Science faculty meet annually to discuss the SLO outcomes. The faculty determine if new SLOs need to be introduced and they decide what changes should be made based on assessment data. There has been a great deal of turn over in the department. Two new tenure track faculty members will be included in those delivering the Exercise Science concentration coursework.**

Student Learning Outcome 1	Assessment	Benchmark	Process (Who, How, When, Where)
Identify and apply evidence-based knowledge and skills within the domains of exercise science and wellness	Bioenergy/Energy Metabolism Exam # 1	80% of the students will score 70% or >	Students enrolled in Dr. Korgaokar's EXSC 430: Exercise Physiology completing the Bioenergy/Energy Metabolism Exam # 1
	Response to Acute and Chronic Exercise Exam # 3	80% of the students will score 70% or >	Students enrolled in Dr. Korgaokar's EXSC 430: Exercise Physiology completing the Response to Acute and Chronic Exercise Exam
<b>DATA RESULTS AND ANALYSIS</b>			

Exam # 1 Bioenergy/Energy Metabolism - 79% of the students met the benchmark.  
 Exam # 3 Exercise Physiology Response to Acute and Chronic Exercise – 65.5% of the students met the benchmark

**HOW HAS THE DATA BEEN USED TO IMPLEMENT A CHANGE OR TO INFORM A DECISION?**

Fall 2019- I added an extra lesson for bioenergetics, metabolism, and circulatory response, which may have helped the students and something I will continue for the next semester.

Spring 2020 – We will have a new instructor for this course. The new instructor is going to reorganize the order in which topics are going to be taught.

<b>Student Learning Outcome 2</b>	<b>Assessment</b>	<b>Benchmark</b>	<b>Process (Who, How, When, Where)</b>
Demonstrate decision-making influenced by evidence-based practices within the domains of exercise science and wellness	Energy Metabolism Assessment e.g., Wingate	90% of students will score 70% or >	Students enrolled in EXSC 429: Exercise Physiology Lab instructed by Mr. McKenzie and Dr. Ellis will complete an Energy Metabolism Assessment

	Cardiovascular Assessment Physiological Response to Submaximal Testing	90% of students will score 80% or >	Students enrolled in EXSC 429: Exercise Physiology Lab instructed by Dr. Ellis or Mr. McKenzie will complete the Cardiovascular Assessment physiological response to submaximal testing assessment
	Exercise Physiology Lab Cardiovascular Assessment	90% of students will score 80% or >	Students enrolled in EXSC 429: Exercise Physiology Lab instructed by Dr. Ellis or Mr. McKenzie will complete the Cardiovascular Assessment

**DATA RESULTS AND ANALYSIS**

Cardiovascular Assessment Physiological Response to Submaximal Testing - 84.5% of the students met the benchmark.

Exercise Physiology Lab Cardiovascular Assessment – 81.6% of the students met the benchmark.

**HOW HAS THE DATA BEEN USED TO IMPLEMENT A CHANGE OR TO INFORM A DECISION?**

Fall 2019 – This lab is after the Wingate lab report and it can be seen that the student performance is improving from earlier lab reports. With most of the students meeting the benchmark. I would continue to challenge the students with APA format, as well as the quality of their work. Additionally, critiquing choices of references for citations in the report making sure that the references are appropriate could prove beneficial in their ability to discriminate good sources from poor.

Spring 2020 – we are going to eliminate this SLO. We have a similar SLO listed under EXSC 431.

Student Learning Outcome 3	Assessment	Benchmark	Process (Who, How, When, Where)
Demonstrate proficiency in measuring and evaluating assessments within the exercise science and wellness domains.	Case Study Assignment	At least 80% of students will score 80% or >	Students enrolled in EXSC 433: Exercise Testing & Prescription in Special Populations instructed by Dr. Ellis will complete the Case Study assignment.
<b>DATA RESULTS AND ANALYSIS</b>			
100% of the student met the benchmark			

**HOW HAS THE DATA BEEN USED TO IMPLEMENT A CHANGE OR TO INFORM A DECISION?**

This course is only offered during the spring semester.

Other than having a new instructor for the course we do not project any changes to this course.

<b>Student Learning Outcome 4</b>	<b>Assessment</b>	<b>Benchmark</b>	<b>Process (Who, How, When, Where)</b>
Assess, plan and implement evidence-based physical activity and/or exercise interventions in clinical, health-related, and training environments.	Blood Pressure Assessment	100% of the students will score 80% or >	Students enrolled in EXSC 429: Exercise Physiology Lab with Dr. Ellis or Mr. McKenzie will complete the Blood Pressure assessment.
	Cardiovascular RX	100% of students will score 70% or >	Students enrolled in EXSC 431: Exercise Testing and Prescription will Dr. Ellis or Dr. Sherman will complete the Cardiovascular Rx assignment.
<b>DATA RESULTS AND ANALYSIS</b>			
<p>Blood Pressure Assessment – 94.2% of the students met the benchmark.</p> <p>Cardiovascular RX – 95.3% of the students met the benchmark.</p>			
<b>HOW HAS THE DATA BEEN USED TO IMPLEMENT A CHANGE OR TO INFORM A DECISION?</b>			

Fall 2019 – Only 12 of the 13 students submitted this assignment.

Spring 2020 – We will have a new instructor for this course. We do not project any changes at this time.



Exercise Rx Project – This continues to be a good way to assess the student’s skill acquisition over the course of their academic career. One of the new Tenure Track professors will be teaching this course in the future and we look forward to seeing how he will make addition improvements on the assignment.

Fall 2019 - This is most likely a better way to assess this SLO than the previous assessment. Since this was the first time the portfolio was assigned. The instructor will make changes for the next semester to improve the quality of the assignment and to ensure students are meeting the requirements necessary.

Spring 2020 – Due to Covid-19 this assignment was not completed. Since no data were collected this semester, the data from Fall 2019 will be used to make changes for the next semester.

<b>Student Learning Outcome 6</b>	<b>Assessment</b>	<b>Benchmark</b>	<b>Process (Who, How, When, Where)</b>

**DATA RESULTS AND ANALYSIS**

**HOW HAS THE DATA BEEN USED TO IMPLEMENT A CHANGE OR TO INFORM A DECISION?**