Academic Assessment Plan

Master of Science/Exercise Science

May 2025

Program Goals

1. To provide advanced experience for the students in exercise science that improves skills related to exercise and for entry-level allied health professions health professions.
2. Prepare students to serve as exercise specialists or sports science consultants.
3. Prepare students interested in research for doctoral work in health or exercise science, aimed to serve Arkansas and beyond.

Student Learning Outcomes

1. Students will be able to integrate and problem-solve using management techniques across a variety of different situations in health, fitness, and disease.
2. Students will be able to design a research project related to exercise science.
3. Students will be able to demonstrate their knowledge of the current literature by writing and presenting in EXSC 55103 (Exercise Physiology) and EXSC 53203 (Biomechanics).

Process for Assessing each Student Learning Outcome

1. **Timeline for assessment and analysis**
   Yearly (data collected for each course at the end of the academic year)

2. **Means of assessment and desired level of student achievement**
   Direct Assessment:
   Percentage of students who pass their thesis defense or comprehensive exams
   Percentage of students who master (score 2, 3, or 4) on Signature Exercise Physiology Presentation Assignment

   Indirect Assessment:
   Mean score in EXSC 55103 Exercise Physiology I
   Mean score in EXSC 53203 Biomechanics I
   Mean score in EXSC 55903 Advanced Exercise Testing and Prescription

3. **Reporting of results**
   See Annual Academic Assessment Report below.

Annual Academic Assessment Report

Master of Science / Exercise Science

2024-2025

Results of analysis of assessment of Student Learning Outcomes following timeline stated above:

Direct Assessment:

Percentage of students who pass their thesis defense or comprehensive exams = 100%
Percentage students mastering signature exercise physiology presentation assignment = 100%

Indirect Assessment:

Mean GPA score in EXSC 55103 Exercise Physiology I = 3.77
Mean GPA score in EXSC 53203 Biomechanics I = 3.88
Mean GPA score in EXSC 55903 Advanced Exercise Testing and Prescription = 3.64

Any changes to degree/certificate planned or made on the basis of the assessment and analysis

None at this time

Any changes to the assessment process made or planned

Added the assessment of students mastering the knowledge of current literature by presenting in EXSC 55103.