**Foundational Studies – Laboratory Science Requirement**

**Assessment of Student Perceptions of Mastery and Learning Gains.**

Responses:  Strongly Agree, Agree, Disagree, Strongly Disagree.

**COURSE**

1. I can explain how data are obtained by scientists.
2. The lecture part of my Foundational Studies science course increased my ability to explain how data are obtained by scientists
3. I can explain how scientists come up with hypotheses and develop theories.
4. The lecture part of my Foundational Studies science course increased my ability to explain how scientists come up with hypotheses and develop theories.
5. I can come up with a scientific hypothesis to answer a question or to provide an explanation for an observation.
6. The lecture part of my Foundational Studies science course increased my ability to come up with hypotheses.
7. I can test a scientific hypothesis.
8. The lecture part of my Foundational Studies science course increased my ability to test scientific hypotheses.
9. I can apply scientific theories to predict the nature and behavior of new systems, environments, or scenarios.
10. The lecture part of my Foundational Studies science course increased my ability to apply scientific theories to predict the nature and behavior of new systems, environments, or scenarios.
11. I can tell others about the importance of science and technology in current issues that affect society.
12. The lecture part of my Foundational Studies science course increased my ability to tell others about the importance of science and technology in current issues that affect society.

**LABORATORY**

1. My Foundational Studies laboratory course helped me learn concepts that were taught in the lecture part of the course.
2. I can come up with a scientific hypothesis to answer a question or to provide an explanation for an observation.
3. The laboratory part of my Foundational Studies science course increased my ability to come up with hypotheses.
4. I can test a scientific hypothesis.
5. The laboratory part of my Foundational Studies science course increased my ability to test scientific hypotheses.
6. In the laboratory part of my Foundational Studies science course, I gathered and analyzed data.
7. In the laboratory part of my Foundational Studies science course, I presented the analysis and findings of a lab experience.