2020- 21 & 2021 - 22– 2020 General Education Assessment Plan

Department: Natural & Computer Sciences	**Date:10/6/20**

General Education Committee has selected the following area for the 2020-21 & 2021 -22 assessment cycles:
Knowledge: to gain a base level of knowledge in core disciplines.

General Education Committee: Background: What factors caused the committee to choose this particular assessment outcome? The committee selected this outcome based upon the emphasis on developing a strong knowledge base in the general education curriculum.

Department: *What student outcome will the department assess that addresses: "The student will be able to demonstrate base level knowledge in the core discipline"?*
Students will be able to demonstrate an appropriate level of knowledge of important facts, concepts, or processes in the scientific area.

Department: *What specific question(s) are you attempting to answer through assessing this student outcome? What are you trying to find out? There may be more than one question, but no more than three.*
Do students know basic facts, concepts, and processes at a sufficient level to correctly describe them?

Methodology:

1. *OBJECT* - What data (i.e. artifact, exam score, detailed description of assignment) will be collected?* Exam questions from AGRI 102, Bio 207, CHEM 109, CS 131, and Sci 331 that cover basic knowledge.
   a. *How does this data address the assessment question?* Each artifact will be chosen to represent an important "factual" component from the course. If students are able to convey the knowledge in an appropriate way, then the question will be considered as answered affirmatively.
      i. *Include/attach a description/example of assessment tool to be used*.

2. *How will data be collected?* Exams questions will be collected by the instructors after the exams have been completed, with identifying marks removed.

Analysis of Artifacts: PERFORMANCE CRITERIA* **-** Discuss :

1) How the artifacts will be analyzed (attach rubrics/scoring tools if used): Artifacts will be assessed using a 5-point Likert scale (attached), which assigns a value to whether students can demonstrate complete and correct knowledge.

2) How you will know if it is good (i.e. score required by % of students): If at least 80% of students score at least a 3 or above, then we can say that most students generally have basic knowledge of the concept. We would prefer that at least 80% score a 4 or above to show that they have a fairly complete and accurate knowledge of the concept.

Submitted by: Robert Hermann   Date: 10/6/20
Assessment Committee Reviewed (Date): 10/13/2020
Department Chair notified of approval/or additional action needed: Approved 10/20/2020