**M.S. in Natural Sciences Scoring Rubric 1**

**Student Learning Outcome 1: Concepts and Skills**

|  |  |  |
| --- | --- | --- |
| Student:  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Artifact(s) / Activity Evaluated: |
|  |  |  |
| Date: | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |  |
| Evaluator: | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

Items in students’ knowledge base depend on the selected program of study and stated objectives as approved by their graduate faculty committee.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **N/A** | **Unacceptable** | **Acceptable** | **Superior** |
| Correctly defines, explains, and uses terms, principles, and theories in areas pertinent to program of study. |  |  |  |  |
| Can relate theory and principles to experiment. |  |  |  |  |
| Can solve problems with correct explanation of steps. Can check correctness of solution. |  |  |  |  |
| Can select and operate appropriate equipment and instrumentation to perform an experiment.  |  |  |  |  |
| Has knowledge and ability to use library resources as an independent investigator to find information needed to support an investigation. |  |  |  |  |

Elaboration of Evaluations –

|  |  |
| --- | --- |
| **N/A:** | No attempt or no effort to accomplish the task. |
| **Unacceptable:**  | Student’s level of understanding has too many or too serious flaws. Some or all of the work needs to be redone to be acceptable. |
| **Acceptable:** | Student shows understanding. However, there are flaws that are evidence of some weaknesses. |
| **Superior:** | Student shows substantial understanding without obvious weaknesses. |

Comments: