

Objective 2.1: Knowledge of the Liberal Arts **Course: PHYS 208 Elementary Meteorology**

Students will possess a broad understanding of how to think about the world, having studied the modes of inquiry characteristic of humanities, mathematics, natural sciences, and social and behavioral sciences.

Outcomes 2.1-D: Natural Scientific Mode of Inquiry

By graduation students will:	Not Proficient 1 Point	Developing Proficiency 2 Points	Proficient 3 Points	Exceeding Proficiency 4 Points
Identify essential characteristics of natural science questions (questions of empirical study and applications of scientific methodologies).	Completing the assessment with less than 42 points.	Completing the assessment with a score of 42 – 52 points.	Completing the assessment with a score of 53 – 62 points.	Completing the assessment with a score of 63 – 70 points.
Evaluate the merits of examples of natural scientific research at the level of an informed citizen.	Completing the assessment with less than 42 points.	Completing the assessment with a score of 42 – 52 points.	Completing the assessment with a score of 53 – 62 points.	Completing the assessment with a score of 63 – 70 points.
Apply scientific methodology to a natural science question to increase understanding, make an informed decision, and/or solve a problem.	See note for “Assignment meeting outcome 3” below	See note for “Assignment meeting outcome 3” below	See note for “Assignment meeting outcome 3” below	See note for “Assignment meeting outcome 3” below

Assignment meeting Outcome 1: Student score on a 10 question multiple choice exam (each question is worth 5 points) that will include a selection of questions from the WOCSTM template for assessment (see attachment).

Assignment meeting Outcome 2: Student score on a 10 question multiple choice exam (each question is worth 5 points) that will include a selection of questions from the WOCSTM template for assessment (see attachment).

Assignment meeting Outcome 3:

This course is not a lab or field course. A previous CORE proposal for PHYS 103 Physical Science Laboratory would address this outcome.