



The General Education Program prepares students for informed citizenship, leading to responsible participation in local, national, and global, communities.

PHY 110 The Physics of Climate Change

Foundations - Physical Sciences

Knowledge Student Learning Outcomes

1. Explain methodologies physical scientists use to explore and understand the physical universe.
2. Explain ways in which physical scientists use observations and theory to explain and predict the structure and processes of the physical universe.
3. Explain fundamental concepts, principles, and issues of the physical sciences.

Essential Skills Student Learning Outcomes

1. Problem Solving: Design and evaluate an approach to answer an open-ended question or achieve a desired goal.
 - Constructs a clear and insightful problem statement that includes all relevant contextual factors.
 - Identifies multiple approaches for solving the problem that applies to a specific context.
 - Proposes one or more solutions/hypotheses that are sensitive to contextual factors and the ethical, logical, and cultural dimensions of the problem.
2. Quantitative Literacy: Work effectively with numerical data.
 - Calculations are correct, solve the problem, and are presented clearly and concisely.
 - Skillfully converts data into an insightful mathematical portrayal in a way that contributes to a deeper understanding.
 - Uses the quantitative analysis of data as the basis for deep and thoughtful judgments, drawing insightful, carefully qualified conclusions.