SCI 122 : Introduction to Physical Science

Credits: 3
Class Hours: 3 lecture
Prerequisites: Qualified for ENG 100 and MATH 82X.
Corequisite Courses:
SCI 122L
Description: In this course, students will explore how relatively simple physical principles can explain and predict the outcome of natural events observed on Earth and beyond.
Semester Offered: Fall, Spring
Designation:
Diversification: Physical Sciences — DP
Course Student Learning Outcomes (CSLOs):

1. Describe important basic physical principles from the course (examples might be the law of conservation of energy, kinetic theory of motion, Archimedes principle, Ohm's Law, Laws of thermodynamics, Pascal's principle, principle of inertia, etc.).
2. Explain why certain physical processes progress the way they do (e.g. for processes arising from principles discussed in class).
3. Apply physical principles to solve problems and predict outcomes.
4. Calculate quantities and solve problems using mathematical formulations of physical principles.