SLO Presentation

PS
Date: 09-13-2019

SCIENCE, ENGINEERING & MATH

PS

PSLO

No PSLOs

CSLO

PS100 - Physical Science of Modern Technology

- Students will be able to demonstrate a non-mathematical understanding of basic MKS units and dimensions.
- Students will be able to demonstrate a non-mathematical understanding of basic mechanics.
- Students will be able to demonstrate a non-mathematical understanding of basic electromagnetism.
- Students will be able to demonstrate a non-mathematical understanding of basic thermodynamics.
- Students will be able to demonstrate a non-mathematical understanding of rudimentary nuclear energy.
- Students will be able to demonstrate a non-mathematical understanding of Chemistry.
- Students will be able to demonstrate a non-mathematical understanding of Earth Science.
- Students will be able to demonstrate a non-mathematical understanding of Astronomy.

PS112 - Physical Science for Elementary School Teachers

- Accurately represent the orbital distances and speeds of the planets in the Solar System
- Assemble simple series and parallel circuits
- Distinguish one element from another via their optical spectra
- Identify prominent stars and constellations by use of a celestial sphere
- Make a rotationally stable mobile
- Manage a physics or astronomy experiment suitable for elementary school students
- Measure objects accurately and determine their densities
- Predict the final temperature of a mixture of hot and cold fluids
- Successful students will be able to predict the motion of an object in freefall
- Trace a ray diagram for simple lenses and mirrors