

Courses with their CSLOs

Course ID	CSLO Name	CSLO
PHSCV01	CSLO-1	Correctly analyze natural phenomena using the concepts of physics and chemistry.
	CSLO-2	Investigate physical phenomena using appropriate equipment and methods, make valid comparisons with theoretical predictions, and communicate those results.
	ISLO-2	Scientific and Quantitative Reasoning
PHYSV01	CSLO-1	Use technology to acquire and process information.
	CSLO-2	Apply lessons from the past or learned knowledge to new situations.
	CSLO-3	Apply principles of scientific reasoning to solve problems.
	CSLO-4	Approach problems by choosing from variety of mathematical techniques.
	CSLO-5	Defend a logical hypothesis to explain observed phenomenon.
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV02A	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical mechanics, heat, and thermodynamics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action.
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV02AL	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical mechanics, heat, and thermodynamics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic and geometric mathematical techniques in laboratory measurements
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action using scientific reasoning
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV02B	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical electricity and magnetism, sound, classical optics, quantum physics, atomic and nuclear physics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action.

Course ID	CSLO Name	CSLO
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV02BL	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical electricity and magnetism, sound, classical optics, quantum physics, atomic and nuclear physics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic and geometric mathematical techniques in laboratory measurements
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action.
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV03A	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical mechanics, heat, and thermodynamics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action.
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV03AL	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical mechanics, heat, and thermodynamics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action using scientific reasoning
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV03B	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical electricity and magnetism, sound, classical optics, quantum physics, atomic and nuclear physics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action.

Course ID	CSLO Name	CSLO
	ISLO-2	Scientific/Quantative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV03BL	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical electricity and magnetism, sound, classical optics, quantum physics, atomic and nuclear physics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic, calculus-based, and geometric mathematical techniques in laboratory measurements
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action.
	ISLO-2	Scientific/Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV04	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical mechanics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic, calculus-based, and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action using scientific reasoning
	ISLO-2	Scientific/Quantative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV04L	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical mechanics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic, calculus-based, and geometric mathematical techniques in laboratory measurements
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action using scientific reasoning.
	ISLO-2	Scientific/Quantative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV05	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical electricity and magnetism.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic, calculus-based, and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.

Course ID	CSLO Name	CSLO
	CSLO-4	Recognize a problem and devise and implement a plan of action using scientific reasoning.
	ISLO-2	Scientific/Quantative Reasoning
	ISLO-3	Critical Thinking and Problem Solving
PHYSV05L	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to classical electricity and magnetism.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic, calculus-based, and geometric mathematical techniques in laboratory measurements
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action using scientific reasoning
	ISLO-2	Scientific/Quantative Reasoning
	ISLO-3	Critical Thinking and Problem Solving
PHYSV06	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to optics, heat, and modern physics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic, calculus-based, and geometric mathematical techniques
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon
	CSLO-4	Recognize a problem and devise and implement a plan of action.
	ISLO 2	Scientific/ Quantitative reasoning
	ISLO-3	Critical Thinking and Problem Solving.
PHYSV06L	CSLO-1	Apply principles of scientific reasoning and the scientific method (observation of natural physical phenomena, development of cause/effect hypothesis, development of theory and mathematical model) to understand and solve physical problems applicable to optics, heat, and modern physics.
	CSLO-2	Strengthen scientific and quantitative reasoning by learning how to approach problems by choosing from variety of algebraic, calculus-based, and geometric mathematical techniques in laboratory measurements
	CSLO-3	Defend a logical hypothesis to explain observed phenomenon.
	CSLO-4	Recognize a problem and devise and implement a plan of action using scientific reasoning
	ISLO 2	Scientific/ Quantitative Reasoning
	ISLO-3	Critical Thinking and Problem Solving.