

PHYSICAL SCIENCE (PHSC)

PHSC 002 SCIENTIFIC METHOD AS CRITICAL THINKING

3 unit

Transfer Credit: CSU; UC

Prerequisite(s): ENGL 001A, 001AH, or 001AS

Written expression and analysis of ideas, arguments and issues in the Sciences. Instruction in critical thinking, inductive and deductive reasoning, and the scientific method. Particular emphasis on compositional expression necessary in developing a complex scientific argument. Total of 54 hours lecture.

Grade Mode: Audit, Letter Grade, Pass/No-Pass

PHSC 003 PHYSICAL SCIENCES

3 unit

Transfer Credit: CSU; UC credit limitations. See counselor.

C-ID: CHEM 140 (WITH PHSC 003L) or PHYS 140 (WITH PHSC 003L)

Prerequisite(s): Eligibility for MATH 131

Basic principles of physics and chemistry and their applications to modern daily life with a primarily conceptual approach. Emphasis on critical thinking skills and general methods of scientific inquiry. Recommended for students in the California State Teacher's Preparation Program and other appropriate non-sciences majors but open to all qualified students. Total of 54 hours lecture.

Grade Mode: Audit, Letter Grade, Pass/No-Pass

PHSC 003L LABORATORY FOR PHYSICAL SCIENCE

1 unit

Transfer Credit: CSU; UC credit limitations. See counselor.

C-ID: CHEM 140 (WITH PHSC 003) or PHYS 140 (WITH PHSC 003)

Prerequisite(s): Enrollment in or completion of PHSC 003

Laboratory investigation of the basic principles of physics and chemistry and their applications to modern daily life with a primarily conceptual approach, with emphasis on critical thinking skills and general methods of scientific inquiry. Recommended for students in the California State Teacher Preparation Program and other appropriate non-sciences majors. Total of 54 hours laboratory.

Grade Mode: Audit, Letter Grade, Pass/No-Pass

PHSC 071A EXPLORING TOPICS IN PHYSICAL SCIENCE

3 unit

Transfer Credit: CSU credit limitations.

Exploratory course: Specific topic identified in Schedule of Classes. Lecture focusing on topics of current and general interest. Total of 54 hours lecture.

Grade Mode: Audit, Letter Grade

PHSC 071C EXPLORING TOPICS IN PHYSICAL SCIENCE

1 unit

Transfer Credit: CSU credit limitations.

Exploratory course: Specific topic identified in Schedule of Classes. Lecture focusing on topics of current and general interest. Total of 18 hours lecture and 18 hours laboratory.

Grade Mode: Audit, Letter Grade, Pass/No-Pass

PHSC 171A EXPLORING TOPICS IN PHYSICAL SCIENCE

3 unit

Exploratory course: Specific topic identified in Schedule of Classes. Lecture focusing on topics of current and general interest. Total of 54 hours lecture.

Grade Mode: Audit, Letter Grade

PHSC 171B EXPLORING TOPICS IN PHYSICAL SCIENCE

1 unit

Exploratory course: Specific topic identified in Schedule of Classes. Lecture focusing on topics of current and general interest. Total of 18 hours lecture.

Grade Mode: Audit, Letter Grade

PHSC 171C EXPLORING TOPICS IN PHYSICAL SCIENCE

1 unit

Exploratory course: Specific topic identified in Schedule of Classes. Lecture focusing on topics of current and general interest. Total of 18 hours lecture and 18 hours laboratory.

Grade Mode: Audit, Letter Grade, Pass/No-Pass