

NEW CORE REQUIREMENTS

THEME AND APPROACH COURSES

PHYSICAL AND LIFE SCIENCES (PLS)

Courses in this category should teach fundamental facts and principles about the scientific method and relate them to the world outside the classroom. Upon completing a course in this category, students should be able to do at least three of the following:

1. Demonstrate a broad understanding of scientific principles and the ways scientists in particular disciplines conduct research.
2. Understand the quantitative, mathematical analyses behind scientific questions and problems.
3. Solve complex problems requiring the application of scientific concepts.
4. Examine the scientific basis of complex questions, including how science impacts political, social, economic, or ethical issues.
5. Critically evaluate scientific arguments and understand the limits of scientific knowledge.
6. Communicate scientific ideas clearly and effectively.

COURSES THAT FULFILL REQUIREMENT

- 50:070:211 Physical Anthropology (PLS)
- 50:070:301 Biocultural Adaptation (PLS)
- 50:070:307 Psychological Anthropology (PLS)
- 50:100:305 Observational Astronomy (PLS)
- 50:100:306 Descriptive Astronomy (PLS)
- 50:120:101 General Biology I (PLS)
- 50:120:103 Biology of Cancer (PLS)
- 50:120:105 Facts of Life (PLS)
- 50:120:106 Human Reproduction and Development (PLS)
- 50:120:127 Principles of Biology I (PLS)
- 50:120:201 Basic Botany (PLS)
- 50:120:202 Understanding Environmental Problems (PLS)
- 50:120:203 Elements of Ecology (PLS)
- 50:120:211 Microbiology and Its Applications (PLS)
- 50:120:299 Internship in Biology (PLS)
- 50:460:123 Planet Earth Lab (PLS)
- 50:460:124 Planet Earth Lab (PLS)
- 50:525:157 Honors Seminar: Physical and Life Sciences (PLS)
- 50:615:201 Principles of Linguistics (PLS)
- 50:730:334 Philosophy of Science (PLS)
- 50:750:321 Physics of Music (PLS)
- 50:750:335 Special Topics in Physics (PLS)
- 50:750:373 Environmental Constraints in Public Policy (PLS)
- 50:750:374 Energy and the Environment (PLS)
- 50:750:491 Research in Physics I (PLS)

50:750:492 Research in Physics II (PLS)
50:830:101 Introduction to Psychology (PLS)
50:830:255 Methods and Theories of Psychology (PLS)
50:830:256 Research Methods (PLS)
50:830:312 Psychology of Consciousness (PLS)
50:830:381 Experimental Psychology (PLS)
50:830:467 Perception (PLS)
50:830:476 Animal Behavior (PLS)
50:830:484 Physiological Psychology (PLS)
50:840:288 Religion and Science (PLS)