



EOU Spring PrISM Courses

SCED 510 Women of Science, CRN: 92249

Through reading and written reflection, students will explore the contributions by women to science, the nature of science related to the role of women in society. Students will reconsider science in light of gender symbols and characteristic sex-segregated practices of cultures.

SCED 510 Environmental Inquiry, CRN: 92252

This course integrates inquiry oriented, experienced-based, and environmental studies. Participants will learn basic ecological field study techniques and conduct studies in their local environment. Basic ecological concepts will be presented in the context of the field studies

SCED 510 Matter, CRN: 92250

This course is designed to provide students with a broad background in the physical sciences with emphasis on the scientific method and basic chemistry. The curriculum stresses both theoretical principles and applications of concepts using experimentation as a vehicle or modeling scientific process

ED 510 Building Math Understanding, CRN: 92251

Students will gain a deeper understanding of numbers, representations, relationships, and number systems; the meanings of operations and relationships among those operations; and reasonable estimation and fluent computation. Technology, hands-on manipulatives, physical models and math applications in science and engineering will be explored.

EOU Summer PrISM Courses

SCED 510 Great Discoveries

Great Discoveries combines life science and physical science content. A sample of the units: Muscles and Machines explains levers, pulleys, wheel and axles and mechanical advantage concepts along with human arm and leg structures and functions. Human Zoo delves into microbes and human digestion. Light and Sights teaches understanding of the nature of light, lenses and human sight. The course combines content, pedagogy and innovative curriculum. Participants receive materials, curriculum, and some support for travel and room and board.

SCED 510 Science Empowerment

Science empowerment teaches science inquiry methodology and nature of science understanding. The instruction centers on life science (insects and ecological relationships), electro-chemistry, physical properties of matter and force and motion (context of flight). Content, pedagogy and innovative curriculum

are combined to create a fun and engaging course. Participants receive materials, curriculum, support for travel and room and board.

World of Microbes

This course covers basic microbiology emphasizing bacteria and viruses, functions of the immune response in preventing and promoting disease, survey of microorganisms pathogenic to humans, laboratory methods for handling and studying bacteria. The course runs from August 3 to September 3.

The course is on-line with labs done at home. Books and lab kits and manuals are available for purchase and download.