



Do you feel like science is changing
faster than you can keep up?

Check out these Science in Action
courses at UNL!

What's a Science in Action course?

Science in Action courses are online courses that integrate the application of content and pedagogy in the biological, physical, and earth sciences. These courses are designed to meet the needs of K-12 educators who want to improve their content knowledge and ability to teach science.

What courses are available?

Entomology

-ENTO 806 Insect Ecology (3 credits)

This course explores interrelationships of the biotic and abiotic factors as they influence insect development, behavior, distribution, and abundance.

-ENTO 810 Insects as Educational Tools for the Classroom (3 credits)

Study insect diversity, insect structure and function, insect ecology and behavior, and the beneficial and detrimental roles of insects. This course integrates the study of insects into the classroom to enhance science education.

-ENTO 814 Forensic Entomology (3 credits)

This course focuses on the application of entomology to legal issues. Investigate the role of insects in criminal investigations, insects of forensic importance, insect succession on carrion, and case studies.

Natural Resources

-NRES 801 Laboratory Earth: Earth and Its Systems (3 credits)

Explore the Earth as a system and the "real world" applications of fundamental physical science processes in this system. Topics include interaction of energy and matter in the geosphere, in the hydrosphere, and in the atmosphere, and the Earth's relationships to the Sun, Moon, and other astronomical objects in the solar system.

-NRES 896A Laboratory Earth: Earth's Natural Resources (3 credits)

Students will apply fundamental concepts in the Earth and physical sciences to understanding Earth's natural resource systems. The course emphasizes rock and mineral, water, soil, and energy resources.

Biotechnology

-AGRO 496/896 or HORT 399/896 Teaching Biotechnology (3 credits)

Students will develop a more complete understanding of biotechnology and its application in solving problems. The course will focus on connecting biotechnology to basic science concepts in biology and chemistry.

Food Science and Technology

-FDST 801 Teaching Applications of Food Science (3 credits)

Study the science of food and how food can be used in the classroom to enhance science education. Explore general scientific concepts in biology, chemistry and physics using food as a model.



For more information contact Cindy Larson-Miller at 402.730.9691 or clarson@unlserve.unl.edu