All courses count for 3 credit hours and fulfill Collins’ residency requirement.

CLLC-L 130 / Class 7120 SCIENCE & THE UNIVERSE: VOLCANOES OF THE SIERRA NEVADA
(Gen Ed and CASE N&M credit)
Michael Hamburger, professor in Geological Sciences; John Rupp, with the Indiana Geological Survey
May 16 – 30, followed by a two-week independent research period.
Honors college students will receive honors credit.
This course includes a two-week, field-oriented experience that will introduce a group of 18 undergraduate students to the geology and natural history of the eastern Sierra Nevada mountain chain. It takes place on-site in eastern California. The course will focus on the geological processes and natural history of one of the most geologically and biologically dynamic parts of the continent, as well as the natural hazards and environmental issues facing the unique and environmentally sensitive area of the western U.S. Students will be exposed to critical thinking on a series of scientific, societal and ethical topics and expected to participate actively in oral and written projects. The final project will be a class web site with each student's contribution equivalent to a 10-15 page research paper.

For more information and the application form, visit www.indiana.edu/~sierra/

CLLC-L 230 / Class 4962 LIFE, CONCEPTS & ISSUES: LEARN FROM NATURE: PERMACULTURE
(Gen Ed and CASE N&M credit)
David Haberman, professor in Religious Studies
May 31 – June 14 at the Lazy Black Bear in Paoli, IN
Permaculture is a design pattern for living more harmoniously with our life support systems, and with each other. It is a rapidly growing and internationally recognized design system for creating sustainable human environments. It is a set of principles and techniques that aims to create ecologically sound and economically prosperous human communities. This course gives students innovative conceptual tools and the chance to view that future from as many angles as possible. It is a unique opportunity for a hands-on experience and will take place at a magical site surrounded by the Hoosier National Forest.

For more information and the application form, visit www.indiana.edu/~llc/academics/permaculture.shtml

CLLC-L 300 / Class 14004 COLLINS SYMPOSIUM: FUNDAMENTALS OF SUSTAINABLE AGRICULTURE
James Farmer, assistant professor in the School of Public Health
May 13 – 29 in the Ostrom Workshop, IUB campus
This on-campus course covers the fundamentals of sustainable specialty crop and animal production based on an agroecological framework. Students will study and apply course concepts through in class discussion, field trips, experiential farm and food system opportunities, and engagement with local professionals.