This online course incorporates new technology tools to provide a better learning experience for the students. Students will be introduced to scientific literature on current issues, have the opportunity to view videos on topics covered in the lectures/text, and participate in interactive online activities.

"Earth Environments and Global Change" explores the four interconnected spheres of the Earth, the atmosphere, hydrosphere, lithosphere and biosphere. The course examines the theories, research methods and types of data that are fundamental to a responsible appreciation of the geographic and historical variation of Earth's environments. Case studies provide the opportunity for students to investigate 'hot' topics in Earth system science, including melting ice caps, the overkill hypothesis, ozone depletion, the origins of life, increasing greenhouse effects and others.