



Online Earth and Environmental Science (Geography)

University of Regina

Objectives for Innovation

Web-based instruction

Intended Audience

Upper year undergraduate students in geography and other degree programs

Results Achieved

Interactive web-based instructional resources

Access to digitized photographs, diagrams, satellite images and maps, and expertise around the world

Access to scientific knowledge as it is being constructed

Foundation for complete online course (Geography 221)

Partners

Environment Canada, Geological Survey of Canada

Implementation

January 1998

Program Web Sites

<http://www.uregina.ca/~sauchyn/geog221>

<http://www.uregina.ca/~sauchyn/geog323>

<http://www.uregina.ca/~sauchyn/geog327>

<http://www.uregina.ca/~sauchyn/geog423>

Additional Benefits

Students comment: "the visual displays contribute to this class . . . having internet access to class notes is a very good idea . . . helped in sorting out . . . important concepts . . ."

The Earth and Environmental Science program provides web-based instructional resources to support several university-credit courses in physical geography, including Physical Geography (GEOG 221), Geomorphology (GEOG 323), Hydrology (GEOG 327), and Topics in Geomorphology (GEOG 423).

Web-based materials include a course outline, lecture notes and lab assignments. Concepts and constructs are illustrated through links to digitized photographs, diagrams, satellite images, maps, electronic journals and related materials maintained by other universities, government agencies, individual researchers and research teams. Internal links reflect connections between topics and among concepts common to the various courses. Students also communicate with the instructor via e-mail.

Physical geography courses rely heavily on images to illustrate topics discussed. Converting to digital format increases access for students to these essential resources.

The external links provide students with access to scientific discoveries as they are occurring, rather than waiting for the technical journals and textbooks to be published, usually some time later.

Contact

Dr. David Sauchyn, Department of Geography, Faculty of Arts

Phone: (306) 585-4030

Fax: (306) 585-4815

E-mail: david.sauchyn@uregina.ca