



Laboratory Earth

Concepts and Applications

“Gaining knowledge in science and building a community of educators.”

Course Overview

Lab Earth is an 16-week, 3-credit online graduate-level course delivered through the University of Nebraska-Lincoln. The four module course will improve Earth science content knowledge using practical classroom approaches. Participants will complete: Mod 1. *Earth's Sphere: Linking Science and Society*, an introduction to Earth and “Everything is connected to everything else”. Mod 2 *Earth's Energy and Matter*, interactions of energy and matter, applications of density, convection, and gravity; Mod 4. *Earth in Space*, Earth, the Moon, the Sun and other members of the solar system; Mod 3. *Weather and Climate*, weather patterns, the greenhouse effect, seasons, atmospheric processes, climate and data interpretation.

Community Building

In Lab Earth you may participate as a team or as an individual. We strongly encourage teachers to form teams for different grades (e.g., K-2, 3-5) because teammates can help each other and build a sense of community in their schools; and teammates from different grade levels can promote the vertical alignment of curriculum and the use of older students to mentor younger students. Each team member needs to register individually. If you are unable to form a team, no worries, simply sign up as an individual and become part of the class community.

Instructors

Dr. Dave Gosselin, School of Natural Resources, University of Nebraska-Lincoln
Dr. Ron Bonnstetter, College of Education and Human Sciences, University of Nebraska-Lincoln
Sara Yendra, Course Facilitator and Lincoln Public Schools Teacher

Registration

You may **apply** to the University of Nebraska-Lincoln at www.unl.edu/gradstudies/. **If you have already been admitted to UNL and wish to register**, go to www.unl.edu and click on the WAM! link under “Current Students” or go to <https://wam.unl.edu/wam/login.jsp>. Log into WAM! using your Student ID number and a four digit PIN* which you received upon admission to UNL. Click on the link to “eNroll” on the left. The course information is NRES 801, section 700 and call number 9179. This course will earn you 3 credit hours. If you have questions about the registration process, contact Registration and Records at 402-472-3635. Class begins August 27, 2007.

*If you have trouble remembering your PIN #, click on “Help” on the WAM! website and follow the directions for getting a new PIN.

Want more info?

Contact Dr. Dave Gosselin, UNL School of Natural Resources, at dgosselin2@unl.edu or 402-472-8919.



Sponsors

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