

Department of Earth and Atmospheric Sciences and
Center for Science, Mathematics and Computer Education
UNIVERSITY OF NEBRASKA-LINCOLN

GEOL 160/GEOS 898: FUNDAMENTALS of GEOSCIENCE in the FIELD

Call# ___ Section ___ 3 credits Summer Session, first 5-week session 10th - 25th June 2017

available for either undergraduate or graduate credit



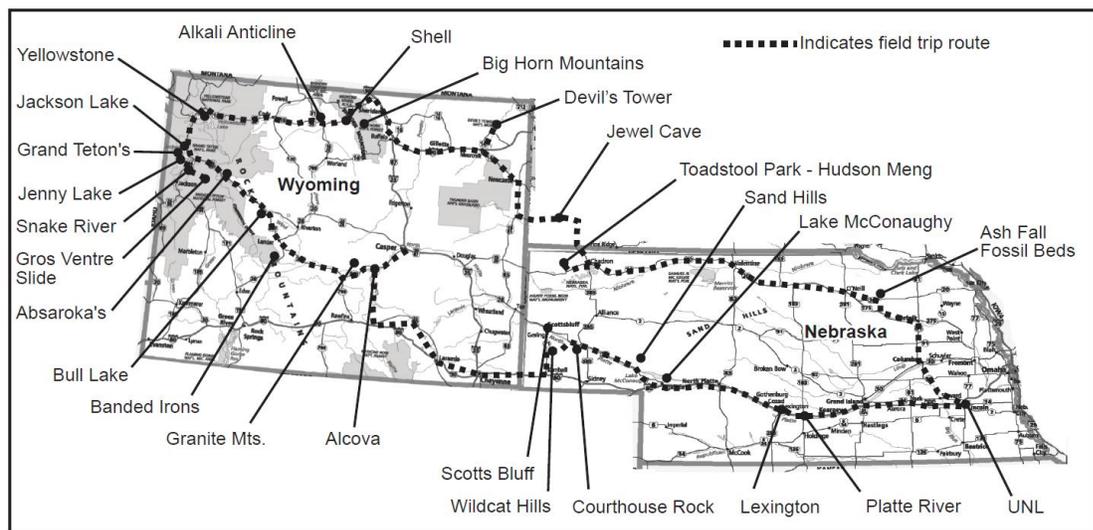
This course is directed toward for pre-service education majors. It comprises a 16-day, inquiry-based field course and a science immersion and discovery experience in Wyoming, Nebraska and South Dakota. The primary aim of this course is to expose education majors to geoscience principles to improve an educators' ability to teach inquiry, gain knowledge and understanding of geoscience, and to demonstrate effective teaching methods that can integrate geoscience into K-12 learning environments.

What recent teacher-participants said about their experience:

"I have never learned or done so much in 2 weeks ever in my life." "I felt like I was on 'Survivor', and I was succeeding."

"This is truly the best course I have ever taken. I learned more about geology, myself, others, life, etc. than I ever have or could have in one year."

- Goals:** To enhance the 'geoscience experience' for pre-service science education majors;
To teach inquiry concepts and skills that K-12 educators are expected to understand and employ;
To inspire science educators to use inquiry and geoscience as unifying themes in their teaching activities;
To provide all participants with a 'tool-kit' of effective inquiry-based, and discovery-learning teaching practices.



Details: All costs for transport, food, accommodation will be covered by UNL through a grant from the National Science Foundation. In short, you will get a fantastic trip, three college credits, and amazing first-hand exposure to geoscience. Tuition and Fees for those accepted into this program will also be covered with funding provided by a National Science Foundation grant. Applications will open in early spring 2017 and the priority deadline of April 15th to submit through the CSMCE Application/Registration Portal (<https://cse.unl.edu/scimath/apps>). We look forward to seeing your application.

Watch a short video that describes the course and presents teacher perspectives:

<https://www.youtube.com/watch?v=pm3IPNPEaCA>

For more information: Contact Dr. Mindi Searls msearls2@unl.edu or Dr. David Harwood dharwood1@unl.edu