Nebraska Math & Science Summer Institutes (NMSSI) &
Department of Earth and Atmospheric Sciences

UNIVERSITY OF NEBRASKA-LINCOLN

GEOS 898: METHODS in GEOSCIENCE FIELD INSTRUCTION

Section 591 Class# XXX 3 graduate credits Summer Sessions 8 to 23 June 2024

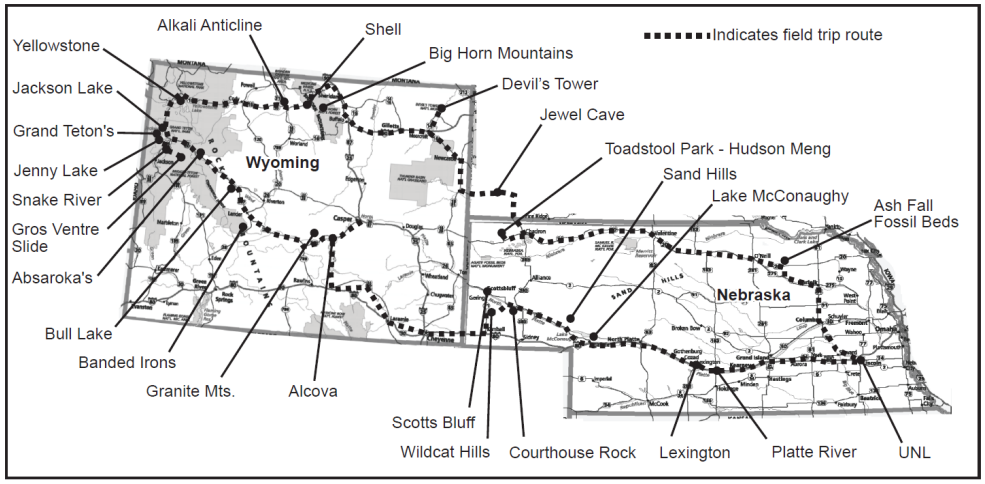
This course, directed toward in-service teachers (target grades 6-12), comprises a 16-day inquiry-based field course and science-immersion discovery experience in Wyoming, Nebraska and South Dakota. The primary aims of this course are to improve educators' ability to teach inquiry, gain knowledge and understanding of geoscience, and to demonstrate effective teaching methods that teachers can integrate into K-12 science learning environments. We demonstrate and discuss the NGSS-style 3-D framework within course activities.

What recent participants said:

"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."
"I'm inspired to continually bring up opportunities for wonder in my students." "This is truly the best course I have ever taken."
"I learned more about geology, myself, others, life, inquiry, etc. than I ever have or could have in one year." "Awesome trip!"
"We grew into a team that worked together & supported each other." "The food was excellent! they should write a cookbook."

Goals of this experience are to:

- demonstrate inquiry concepts and skills that K-12 educators are expected to understand and employ;
- provide all participants with a 'tool-kit' of effective inquiry-based teaching practices in all science fields.
- inspire science educators to use inquiry and geoscience as unifying themes in their teaching activities;
- enhance the 'geoscience experience' for in-service science educators and their future students.



Details: All costs for food, accommodation & transport are provided at no cost. You get a fantastic trip, 3 graduate credits, and an amazing exposure to geoscience & inquiry. A 20% tuition reduction & $300 tuition scholarship are available from NMSSI and the Dept. of EAS. This is a wonderful experience and an opportunity to network with other teachers and sharpen your skills in inquiry-based science. Through interesting and challenging activities and exposure to unique geological phenomena participants will discover the history of the Rocky Mountains.

Watch: Two short videos describe the course, and teachers describe how they benefitted from this engaging experience.
https://www.youtube.com/watch?v=pm3IPNPEaCA https://www.youtube.com/watch?v=tuI0I8X0_HI

For more information and to express interest please contact: Dr. David Harwood dharwood1@unl.edu
Summer registration: opens in early March. Start the process at: http://scimath.unl.edu/nmssi/