

IOWA STATE UNIVERSITY GEOLOGY FIELD STATION
INFORMATION REGARDING THE 2009
GEOLOGY SUMMER FIELD COURSE

COURSE NUMBER, CREDIT AND PREREQUISITES: Geology 302 Geology Summer Field Studies; credit – 6 semester credits; prerequisites - Introductory Geology (physical and historical), Earth Materials (mineralogy and petrology), and Structural Geology. It is recommended (but not required) that students also have already completed courses in sedimentology and stratigraphy

WEBSITE <http://www.ge-at.iastate.edu/FieldCamp/fieldcamp.shtml>

LOCATION Iowa State University Field Station is located along U.S. Highway 14, two miles east of Shell, Wyoming, on the western flank of the Big Horn Mountains.

FACILITIES: The campus is composed of permanent facilities and features high speed internet access and two phone lines. Dormitories are rustic, furnished with bunk beds and mattresses and chests of drawers. There is a wash house equipped with sinks and showers. Brunton compasses, stereoscopes, etc., are provided by the field station.

COSTS: Costs are paid directly to Iowa State University

Registration and Tuition Fees ¹	1440.00
Field Fee	225.00
Transportation ²	600.00
Room and Board ³	<u>750.00</u>
TOTAL	\$3015.00

¹Current ISU students will be charged additional university fees including computer fee and health facility fee.

²This includes the cost of transportation in university vehicles from Ames, Iowa, to Shell, Wyoming, and return, as well as 4,000 miles during the summer field session.

³This fee includes the actual cost of food and food preparation as well as utilities (i.e. gas and electricity). Table setting and service, dishwashing, and kitchen cleanup duties are shared by all students thereby keeping this cost at a minimum. This fee also includes campground fees.

SIZE OF GROUP: The field group will consist of approximately 20-25 students (both men and women) and 6 staff members. Application and a \$100 deposit must be received before March 1, 2009. The application fee is non-refundable after May 1, 2009.

SCHEDULE: Leave Ames at 6:30 a.m. Saturday, May 23rd, 2009; arrive at the field station

mid to late afternoon Sunday, May 24th. The first meal at the field station will be served at 6 p.m. on May 25th. Classwork will begin with a lecture that evening. The summer field session will close Friday, July 3rd, 2009 upon the return of students to the Iowa State campus in Ames the next day.

IMMUNIZATION AND
PHYSICAL CONDITION:

You should be immunized against tetanus before you leave for the field station, and you should be in good physical condition, prepared for strenuous hiking in hot or cold weather. All students are required by the University to carry personal health and accident insurance.

PERSONAL EQUIPMENT
AND SUPPLIES:

Weather conditions in northern Wyoming from late May to early July can vary from daytime temperatures in the upper 30's to lower 100's and nighttime temperatures ranging from upper 20's to 60's. Typically the climate is dry although rainfall can be expected from late May through mid June. The following is the minimum equipment suggested for each student:

Clothing for field work

1. Camp shoes: you shouldn't wear sandals or flipflops outside of shower
2. Clothing for 2 days on the road
3. Clothing for 6 days in the field
4. Hiking boots, already broken in
5. Gloves, wool hat
6. Warm clothing, early in season; lighter for later
7. Rain gear: coat and pants
8. Swimsuit for Thermopolis hot springs

DOP kit

1. Shampoo
2. Long hair: detangler, conditioner
3. Serious skin cream (eucerin, nivea)
4. Toothbrush, toothpaste
5. Soap
6. A kit to carry necessities to shower

Bedding and Toilet articles:

1. Flashlight
2. Alarm clock
3. Sheets for single bed
4. Blankets or use sleeping bag
5. Pillow(s) and case(s)
6. Sleeping bag
7. Pad
8. Laundry detergent
9. Towel(s), washcloth(s)
10. Books
11. Quarters for laundry

Optional items:

1. Binoculars
2. Laptop with wireless connection capabilities

3. Phone card (cell phones don't work in camp)
4. Camera; film or charger and spare cards
5. Running shoes, etc.
6. DVDs
7. CD player/CDs
8. Ziploc bags for rock samples
9. Stamps, stationary
10. Backpack tent
11. Backpack

Field gear & school supplies

1. Notebook size cross-section book (8.5 x 6.5) with both pages having 10 x 10 lines*
2. Pens (waterproof; fine point)
3. Mechanical pencil with 2H or 3H lead
4. Pencils – 2 3H drawing*
5. Pens
6. Protractor – plastic, 6 inches*
7. Pair of drafting triangles – one 45° and one 60° (8 inch)*
8. 3 ring binder and paper*
9. Clipboard*
10. Engineers scale*
11. Folder*
12. Straightedge ruler*
13. Eraser*
14. Rock hammer*
15. 10x Hand lens*
16. Scale for photos
17. Water bottles/water pak
18. Sunscreen
19. Hat: wool and non-wool w/brim
20. UV protection sunglasses
21. Insect repellent
22. Day pack to carry all this in

MAILING ADDRESS AND PHONE: I.S.U. Geology Field Station, 1800 U.S. Highway 14 E, Shell, WY 82441
(307) 765-2997

GENERAL INFORMATION: Students may find it convenient to bring with them a laptop computer with wireless connection capabilities. Laptop computers are not required, however.

It is not necessary for students to attempt any reading program before arriving at the field station. "Rising above the Plains" by John McPhee is highly recommended, however for those interested, brief background information also may be found in various guidebooks and publications of the Wyoming Geological Association and the Wyoming Geological Survey.

Transportation from Ames, Iowa, to the field station will be provided for all students by the University. Students will meet at the main entrance of the Science I Building on Osborn Drive at 6:00 a.m. Saturday, May 23, 2009.

The caravan will depart promptly at 6:30 a.m. There are several areas of geologic interest that will be visited enroute to the field station. These include the Badlands and Black Hills. Return transportation from the field station will be provided.

*The equipment and supplies listed above are available for purchase at the Iowa State University Bookstore. If you would like to purchase any of the items, place your order on a special order form that will be sent to you with the application form. Please forward it with a check for the total cost of the items ordered to DeAnn Frisk before May 1, 2009. The items will be purchased and brought to the Field Station for you. Iowa State students should purchase the above directly from the bookstore.