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 has recently undergone an extensive renovation. There is a main building that includes a kitchen, dining room/classroom, and staff quarters. Students are housed in two dormitory buildings with a total of 12 rooms. Each room includes two sets of bunk beds. Drawers and closets are present for storage of clothes and other personal items. Each room also includes a sink, shower, and toilet. The shower and toilet are each enclosed within their own separate space. A fourth building holds an additional classroom on one side and a laundry on the other.

COSTS:

Costs are paid directly to Iowa State University

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration and Tuition Fees¹</td>
<td>1662.00</td>
</tr>
<tr>
<td>Field Camp Fee</td>
<td>2050.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$3712.00</strong></td>
</tr>
</tbody>
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¹Current ISU students will be charged additional university fees including computer fee and health facility fee.

For Iowa State and Nebraska students, notification of intent to attend the camp must be made by January 23, and a $100 deposit must be received by February 16, 2015. For non-Iowa State, non-Nebraska students, the $100 deposit must be submitted immediately following notification of acceptance into the course. For all attendees, the deposit is non-refundable after April 1, 2015.

SIZE OF GROUP:

The field group will consist of approximately 35 students (both men and women) and 6 staff members

SCHEDULE:

Leave Ames at 6:30 a.m. Saturday, May 23rd, 2015; 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 24th. Classwork will begin with a lecture that evening. The summer field session will close Thursday, July 2, 2014 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
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 (winter jacket), nights will be cool to cold
7. Rain gear: coat and pants
8. Swimsuit for Shell Creek
9. Clothing for 8-day, 7-night camping trip

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. 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; charger and spare cards
5. Running shoes, etc.
6. DVDs
7. iPod/mp3 player
8. Ziploc bags for rock samples
9. Stamps, stationary
10. Tent for Wind River-Teton-Yellowstone trip (the camp has 4-person tents if you don’t want to bring your own)
11. Backpack and backpacking tent (there is limited time some weekends for you to go backpacking in the Bighorn Mountains)
12. Books
Field gear & school supplies  (Brunton compasses, GPS units, and field notebooks are supplied by the field station.)

1. Pens for inking maps (details will be provided at a later date)
2. Standard pens for “everyday” writing
3. 1H, 2H, and 3H wooden or mechanical pencils. For mechanical pencils, we recommend 0.5 mm leads.
4. Protractor – plastic, 6 inches*
5. Pair of drafting triangles – one 45° and one 60° (8 inch)*
6. 3 ring binder and paper*
7. Clipboard*
8. Engineers scale*
9. Folder*
10. Straightedge ruler*
11. Eraser*
12. Rock hammer*
13. 10x Hand lens*
14. Scale for photos
15. Water bottles/water pak (2 liters minimum; 3 liters recommended)
16. Sunscreen
17. Hat: wool and non-wool w/brim
18. UV protection sunglasses
19. Insect repellant
20. Day pack to carry all this in

*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, 2015. The items will be purchased and brought to the Field Station for you. Iowa State students should purchase the above directly from the bookstore.

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

GENERAL INFORMATION: Several desktop computers, along with a LaserJet printer and a scanner, are available for student use. Nonetheless, students may find it convenient to have their own laptop computer for studying and communicating with friends and family (e.g., Skype, Google Voice, etc). Wireless Internet connectivity is available throughout the campus.

Cell phone reception is weak to nonexistent at camp, but is good to excellent at many of the field sites. A landline is available for student use at camp.

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, 2015.

The caravan will depart promptly at 6:30 a.m. There are several areas of geologic interest that may be visited enroute to the field station as time permits.