IOWA STATE UNIVERSITY GEOLOGY FIELD STATION
INFORMATION REGARDING THE 2016
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://camp.ge-at.iastate.edu

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 field station underwent an extensive renovation in 2014. The Smith Lodge includes a kitchen, dining room, and staff quarters. Students are housed in the West and East Dorms with a total of 12 rooms. Each room includes two sets of bunk beds, storage space for personal items, and a full bathroom. A fourth building holds a classroom and a laundry facility.

COSTS:
Costs are paid directly to Iowa State University

Registration and Tuition Fees\(^1\)  
Field Camp Fee  
TOTAL  

\(^1\)Estimated tuition fees for Summer 2016 that are subject to change. Current ISU students will be charged additional university fees including computer fee and health facility fee.

SIZE OF GROUP:
The field group will consist of approximately 40 students (both men and women) and 6 staff members. Application and a $100 deposit must be received before March 1, 2016. The application fee is non-refundable after May 1, 2016.

SCHEDULE:
Leave Ames at 6:30 a.m. Saturday, May 21, 2016  
Arrive at the field station mid to late afternoon Sunday, May 22.  
The first meal at the field station will be served at 6 p.m. on May 22.  
Classwork will begin with a lecture that evening.  
The summer field session will close Thursday, July 1, 2016, upon the return of students to the Iowa State campus in Ames.

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:

Necessities:
- Clothing for 2 days on the road (May 21-22, 2016)
- Clothing for 6 days in the field
- Hiking boots, already broken in
- Gloves, wool hat
- Warm clothing (winter jacket), nights will be cool to cold
- Rain gear: coat and pants
- Swimsuit for Shell Creek
- Clothing for 8-day, 7-night camping trip (June 20-27, 2016)
- Toiletry bag
- Shampoo & conditioner
- Serious skin cream (eucerin, nivea)
- Toothbrush, toothpaste
- Soap
- Flashlight
- Alarm clock
- Sheets and blanket (field station)
- Sleeping bag (8-day camping trip)
- Pillow(s) and case(s)
- Sleeping Pad (8-day camping trip)
- Towel(s), washcloth(s)
- Quarters for laundry (1 roll minimum)
- Laptop/tablet with wifi capabilities and GoogleEarth preinstalled

Field gear & mapping supplies:

Note: Bruntons, GPS units, and field notebooks supplied by the field station. See supply order form for specifics on recommended mapping supplies.
- Pens for inking maps (0.3 mm black, blue, and green)
- Standard pens for “everyday” writing
- 1H, 2H, and 3H wooden or mechanical pencils (0.5 mm lead).
- Protractor – plastic, 6 inches*
- 3 ring binder and paper*
- Clipboard*
- Engineers scale*
- Folder*
- Straightedge ruler*
- Eraser*
- Rock hammer*
- 10x Hand lens*
- Scale for photos
- Water bottles/water pak (2 liters minimum; 3 liters recommended)
- Sunscreen
- Hat: wool and non-wool w/brim
- UV protection sunglasses
- Insect repellant
Day pack to carry all this in

Optional items:
- Binoculars
- Phone card (minimal cell phone reception in camp)
- Camera, charger, & memory cards
- Running shoes, etc.
- DVDs
- Stamps, stationary
- Backpack tent
- Backpack

*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, please use the supply order form on our website to place your order. Please submit your order form with a check for the total cost of the items to Aaron Wood before May 1, 2016. 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:
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 21, 2016.

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.