

IOWA STATE UNIVERSITY GEOLOGY FIELD STATION
GEOL 302 GEOLOGY SUMMER FIELD COURSE 2022

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| COURSE NUMBER, CREDIT AND PREREQUISITES: | Geology 302 Geology Summer Field Studies (6 credits) May 25 – July 2, 2022 (5.5 weeks) <u>Prerequisites</u> Introductory Physical Geology Introductory Historical Geology Earth Materials (mineralogy and petrology) Structural Geology Sedimentology/Stratigraphy | | | | | | | | | | | | | | | | |
| WEBSITE | http://camp.ge-at.iastate.edu | | | | | | | | | | | | | | | | |
| LOCATION | Iowa State University Field Station is located on the western flank of the Big Horn Mountains, near Shell, Wyoming. 1800 U.S. 14 East, Shell, Wyoming 82441. | | | | | | | | | | | | | | | | |
| 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 laundry facility. | | | | | | | | | | | | | | | | |
| COSTS: | <table><tr><td><u>Iowa Resident Students</u>¹</td><td></td></tr><tr><td>Registration and Tuition Fees</td><td>\$2372.00</td></tr><tr><td>Field Camp Fee (Travel, Room & Board, Supplies, etc.)</td><td>\$2400.00</td></tr><tr><td>TOTAL</td><td>\$4772.00</td></tr><tr><td><u>Non-resident Students</u>¹</td><td></td></tr><tr><td>Registration and Tuition Fees²</td><td>\$3372.00</td></tr><tr><td>Field Camp Fee (Travel, Room & Board, Supplies, etc.)</td><td>\$2400.00</td></tr><tr><td>TOTAL</td><td>\$5772.00</td></tr></table> | <u>Iowa Resident Students</u> ¹ | | Registration and Tuition Fees | \$2372.00 | Field Camp Fee (Travel, Room & Board, Supplies, etc.) | \$2400.00 | TOTAL | \$4772.00 | <u>Non-resident Students</u> ¹ | | Registration and Tuition Fees ² | \$3372.00 | Field Camp Fee (Travel, Room & Board, Supplies, etc.) | \$2400.00 | TOTAL | \$5772.00 |
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| | ¹ Estimated tuition and fees for both resident and non-resident students are subject to change. ² Non-resident students will be billed for full non-resident tuition and subsequently receive a partial refund resulting in a tuition cost of \$1000 more than Iowa resident students. | | | | | | | | | | | | | | | | |
| APPLICATION PROCEDURES: | A maximum of 40 students will be accepted. Applications (separate form) received by February 28, 2022 , will be fully considered for enrollment. Enrollment priority, however, will be given to students from Iowa State University. Accepted students will be required to submit a non-refundable \$100 deposit . | | | | | | | | | | | | | | | | |
| GENERAL SCHEDULE: | Leave Ames at 6:30 a.m. Wednesday, May 25, 2022. Arrive at the field station mid to late afternoon Thursday, May 26, 2022. Return to Iowa State Campus on Saturday, July 2, 2022. | | | | | | | | | | | | | | | | |

IMMUNIZATION AND
PHYSICAL CONDITION:

Students should follow immunization requirements of Iowa State University:
<https://health.iastate.edu/new-students/immunization-requirements/>

We strongly encourage students to be immunized for tetanus and COVID-19 before attending field camp.

Students should be in good physical condition, prepared for strenuous hiking in hot or cold weather.

All students are required by Iowa State University to carry personal health insurance.

PERSONAL EQUIPMENT
AND SUPPLIES:

Weather in Wyoming can vary from daytime temperatures of 35-105°F and nighttime temperatures of 25-70°F. Rainfall and thunderstorms are expected during late spring whereas weather during mid to late summer is typically hot and dry. The minimum equipment suggested for each student includes:

Necessities:

- Field clothing for 6 days
- Hiking boots, already broken in
- Gloves, wool hat
- Warm clothing (winter jacket)
- Rain gear, minimally a rain poncho
- Toiletries (e.g., shampoo, soap, skin cream, etc.)
- Flashlight
- Sheets, blanket, and pillow (field station)
- Sleeping bag and pad
- Towel(s), washcloth(s)
- Quarters for laundry (1 roll minimum)
- Laptop/tablet with WIFI capabilities and Google Earth preinstalled

Field gear & mapping supplies:

Note: GPS units, mapping tablets, and field notebooks are supplied by the field station.

- Geology compass or surveying compass
- Pens for inking maps (0.3 mm black, blue, and green)
- Mechanical pencils (0.5 mm lead) with erasers
- Protractor – plastic, 6 inches*
- 3 ring binder and paper*
- Clipboard*
- Engineers scale*
- Rock hammer*
- 10x Hand lens*
- Camera and scale for photos
- Water bottles/water pack (3 liters minimum)
- Sunscreen and hat
- UV protection sunglasses
- Insect repellent
- 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 (May 23 – July 3, 2020, only)
- RECOMMENDED READING:** 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.
- TRAVEL INFORMATION:** Transportation from Ames, Iowa, to the field station will be provided for all students by Iowa State University. We strongly encourage all students to travel to the field station with the main convoy of university vehicles. Students will meet at the loading dock of Science Hall when departing for the field station. The loading dock can be accessed via Pammel Drive.
- The caravan will depart promptly at 6:30 a.m. There are areas of geologic interest that may be visited enroute to the field station as time permits.
- PERSONAL VEHICLES:** Students are allowed to drive their personal vehicles to the field station only under special circumstances and after receiving permission from the Field Station Director. Students may be asked to sign a liability waiver and a separate code of conduct form that pertains to usage of personal vehicles during field camp.
- STUDENTS WITH DISABILITIES:** Iowa State University is committed to assuring that all educational activities are free from discrimination and harassment based on disability status. All students requesting accommodations are required to meet with staff in Student Disability Resources (SDR) to establish eligibility. A Student Academic Accommodation Request (SAAR) form will be provided to eligible students.
- The provision of reasonable accommodations in this course will be arranged after timely delivery of the SAAR form to the instructor. Students are encouraged to deliver completed SAAR forms **prior to departure for the field station.**
- SDR, a unit in the Dean of Students Office, is located in room 1076, Student Services Building or online at www.dso.iastate.edu/dr/. Contact SDR by e-mail at disabilityresources@iastate.edu or by phone at 515-294-7220 for additional information.
- QUESTIONS?** Please contact Aaron R. Wood (awood@iastate.edu) if you have further questions.