

Equipment List

UGA Geology Field School (GEOL 4270)

Required Personal Gear

Hiking boots – get a pair of sturdy, comfortable boots. Light weight boots with Goretex or other breathable panels are ok, but you'll want to look for the type that has good vibram sole protection in the arch to protect your feet from cacti, which are everywhere. If you are uncertain, see Dr. Crowe.

Rain gear – don't scrimp! You'll a top and bottom. Breathable fabrics tend to be lighter, and offer reasonable protection, but are more expensive than nylon or rubberized materials.

Warm sleeping bag – we will camp at moderate to high elevations where temperatures can be as low as 15 - 20° F. However, some locations can be warm, I recommend you buy a bag rated to 20° F, and no lower, as you will be too warm at times.

Foam pad/Thermarest – essential for sleeping comfortably on cold bumpy ground. Air mattresses are heavy, require inflation, and get punctured, so stay away from these.

Tent – we will be camping 10-12 nights during the course, you will want to have a tent that keeps you dry. Lately there has been a tendency to purchase very cheap and much to large tents from stores like WalMart or Target – these simply won't keep you dry if it really rains. Sharing a tent (and the cost) with another student is a good idea if you want to save money!

Water bottles – at least 2 liters worth! Camel-baks are popular and work fine.

Day pack – a good sturdy day pack that can hold rain gear, field gear, water and lunch, first aid kit, and some spare clothing. You don't need an expedition pack, just a large day pack!

Hats – if you are prone to sunburn, bring some hats that will provide you with protection from the sun!

Required Field Equipment

Hand lens (10x)

Watch

Clipboard

First aid kit

Rock hammer

Pencils, pens, erasers

Small protractor

Flashlight/headlamp

Sunglasses

Whistle

Insect repellent

Required Office Supplies

Textbook – Geology in the Field by Compton (available online)

Pens – a good supply of hard tip black markers of various thickness for drafting

Pencils – a good selection of colored pencils for coloring maps

Other textbooks – it's a good idea to have your structure, sed/strat, and mineralogy texts handy as references

Comments on Field Clothing

You will spend the summer working at elevations between 5000 and 11,000 feet. Conditions will range from extremely hot and dry to extremely cold and wet. Temperatures in Cañon City will typically range from the 40's to 60's at night to the 90's and 90's during the day. Temperatures above 100° are not uncommon, and much colder temperatures are common where we camp at higher elevations. For field work around Cañon City, loose fitting pants or shorts, and T-shirts or cotton work shirts work well. Sunglasses and brimmed hats are highly recommended. You should always carry rain gear and warm sweater or fleece – thunderstorms spring up fast and they can drop temperatures rapidly. Many of the people who teach the course wear gaiters to guard ankles and socks against seed invaders.

Field trips to the Jemez Mountains, Spanish Peaks, and San Juan Mountains will require warm clothing. You will need a good wind shell, warm sweater or fleece, a warm hat and gloves. Think about what you would need in Athens in January and bring it.

Comments on Personal Stuff

The Abbey provides beds in each room and they will supply sheets and towels but you may want to bring a pillow and a blanket. A small fan will be very useful on hot nights.

A tupperware sandwich box keeps those delicious sandwiches in fine shape for lunch.

You can bring along optional items such as cameras, binoculars, radios, fishing gear, hiking gear, climbing gear, etc. No bikes, we simply lack the capacity to carry them. Many things will be available in Cañon City at the Wal-Mart, a short walk from the Abbey. Some spending money is necessary to cover weekend meals and incidental expenses. Personal checks can be cashed at the Abbey.

The Field School will supply the following:

Field notebooks

Brunton compasses

Handheld GPS units

Computers/printers

Acid bottles

Cases for notebooks and holders for hammers

Air photos and topographic maps
Drafting paper
Tape
Herculene or acetate film for field mapping
Stereoscopes