

Field Camp Gear Checklist

Essential Personal Items (required for all participants):

- Cell phone**
- Jacket or windbreaker**
- Warm coat**
- Warm hat**
- Rain jacket** (rain pants are optional but *strongly recommended*)
- Sun hat**
- Sunglasses**
- Long pants**
- Sunscreen**
- Emergency cash** \$150 minimum
- Identification**
- Personal medications and toiletries** (Inhaler? Epi-pen? Pads and tampons? Shampoo/conditioner?)
- Personal first aid kit** (antibacterial ointment, bandaids, moleskin, pain relief medicine, sewing needle, tweezers, disinfectant, antacid, diarrhea treatment, sunburn ointment, insect bite ointment and repellent, Techno products if sensitive to poison oak)
- Soap**
- Towel**
- Headlamp**
- Watch**
- Appropriate field boots** Hard soles with ankle support, should be rugged, broken in, but new. Overused or cheap boots will not survive the entire six weeks. Bring an extra pair if there is any question.
- Sleeping bag** You should have a sleeping bag for the nights we will be camping. Although it would be unusual, temperatures approaching freezing are possible.
- Air mattress or sleeping pad**
- Water containers for 2 qts. *minimum*** Please be prepared with containers capable of carrying up to 2 qts. of water for a full day of mapping.
- Small day pack** with adequate back support.
- Flashlight or headlamp** with extra batteries.
- Alarm clock** or cell phone. If you arrive late to start the field day, we will not wait for you.
- Computer and charger** for preparing reports and assignments.

Required Field Equipment:

- Sharp pencils** Best: 0.3 or 0.5 mm mechanical pencils with HB lead. Bring multiples because more likely than not you will lose one or Prof. Prush will try to borrow one from you because she loses them constantly.
- Colored pencils**
- Eraser** Soft, white kind, will be used lots. Recommend to bring multiple. Hard red erasers tend to tear up paper and field maps.
- Field notebooks** Rite in the Rain brand is strongly recommended, but any small- or medium-size spiral-bound notebook will work. Several preferred.
- Report paper** (8.5 x 11") This is the paper that will be used for written reports accompanying field maps, stratigraphic columns, cross sections, and other figures. Blank or ruled paper is acceptable, but some type of grid paper (engineering pads work, but are in inches) would be better.

- Tracing paper** (8.5 x 11")
- Mapboard** I prefer two 12" x 12" pieces of ~1/8-3/32 inch (3-4 mm) plexiglass hinged together with 2" duct or strapping tape. You can generally buy all supplies for the mapboard at any hardware store.
- Safety glasses** Please make sure your glasses are shrapnel-resistant.
- Geologist's hammer** Do not bring any other type on field trips. Other types are not correctly hardened and tempered for hitting rocks, so may send high-speed, very sharp shrapnel flying into you or others nearby. For general use a 16-oz. Estwing™ pick is a good choice.
- Protractor** Recommended is the 6" C-Thru brand inch/metric protractor/ruler combo. Buy two in case you lose one in the field. Buy one with tenths of inch and mm divisions. We sell them in the department.
- Ruler/straight edge** with tenths-of-inch *and* millimeter divisions
- Handlens** Typical 10x magnification type will do.
- HCl and container**
- Grain-size card** Also available for purchase in the EES Department.
- Two drafting pens:** #005, black, for contacts and #02, preferably red or green, for faults (cheap throw-aways available at art stores, online. No sharpies or ballpoint pens.
- Pocket transit** (aka "Brunton™ compass") This is supplied by the EES department, but you may buy your own if you prefer (~\$350). If you do, get an azimuth (0° to 360°), not quadrants.
- Masking tape** to keep maps attached to the mapboard. Alternatively can use two heavy-duty rubber bands cut from an old car inner tube to hold the maps down.

Desirable/Optional Items:

- Chapstick**
- Warm layers** just in case it gets chilly, especially up north in southern Colorado
- Laundry detergent**
- Pillow**
- Textbook:** *Compton - Geology in the Field*
- Pocket knife**
- Gloves**
- Kleenex/Toilet paper**
- Ground cloth/tarp**
- Tent** may be shared. Weather can be unpredictable and on nights when it is either cold or wet, it is nice to have access to a tent. Not everyone needs to bring a tent; if you'd like to know if there is someone who is willing to share a tent, contact Prof. Prush, who will query other students. The department also maintains a small supply of tents.
- Camera**
- Binoculars**
- Chisel**
- Linen/pillow/blankets for dorms/hotels**
- Headphones and whatever you listen to music on** not to be used while mapping for safety reasons.
- Personal cooking gear and utensils** Morning and evening meals are prepared in camp. A two burner stove and some larger pots and pans will be available. Plan on bringing your own eating utensils (cup, bowl, spoon).
- Hiking Poles**