



2021 UoA GEOS 414 *Field Camp* Equipment List

WHAT WE PROVIDE:

- Base maps and aerial photos
- Good quality tracing paper (vellum) in several sizes
- Mylar overlay sheets
- Other paper (graph paper for cross sections etc.)
- Field guide to Colorado Plateau and Cordilleran orogenic belt
- A small library of geology references (paleontology, structural geology)
- Dilute HCl acid in small dropper bottles
- Brunton compasses
- Well-stocked first-aid kits for the group
- Camping fees and board
- Sun shower facilities
- Large tents, tables and chairs, lighting, lanterns
- **All meals including breakfast, lunch, dinner and snacks**

WHAT YOU PROVIDE:

ESSENTIAL CAMPING EQUIPMENT

_____ A **warm sleeping bag**, pad, pillow

_____ **Waterproof tent**; don't take this lightly.

_____ Personal hygiene items; baby wipes, towel, washcloth, soap, shampoo, etc.

_____ Eating utensils: plate, cup, knife, fork, spoon, bowl

_____ Headlamp/flashlight and spare batteries

ESSENTIAL FIELD EQUIPMENT

_____ Small backpack (daypack)

_____ **Minimum of 3** 1-liter canteens or plastic water containers

_____ Rock hammer (pick or chisel end; no need for a sledge hammer)

_____ Field notebook(s) (available at the U of A bookstore or online; you will need at least 50 pages)

_____ Hand lens and lanyard (10X)

_____ 3 to 6 medium hard pencils for field mapping and drafting; cap erasers and a small sharpener are handy; mechanical pencils (0.5 mm) are best; if you are prone to losses, bring extras!

_____ Set of colored pencils for mapping (at least 10 colors)

_____ Sunscreen (at least SPF 30) and lip balm (Chapstick); the high desert sun can be very dangerous, especially at the high altitudes at which you'll be working.

_____ Hand calculator

- ___ Small first aid kit; tweezers, band-aids, and a comb (for taking out cactus spines)
- ___ A watch (to make sure you don't get left behind; many places will not have phone reception)
- ___ Drafting pen(s) in black ink with a couple of point sizes, including a fine-point.
- ___ Medium-point marking pen
- ___ Clear plastic scales (6 in or 15 cm)
- ___ Protractor
- ___ Mapping board (clipboard size; for example see this url
<http://www.officedepot.com/ddSKU.do?level=SK&id=911018&Ntt=form%20holder&uniqueSearchFlag=true&An=text>)
- ___ Correction fluid (White-Out)
- ___ **Insect (mosquito) repellent! If you are subject to gnat attack, Avon Skin-so-Soft works well.**

CLOTHING

Generally, pack about a week's worth of clothing, plus specialty items like jackets, hats, lightweight gloves, etc.

- ___ **Sturdy hiking boots that cover the ankle;** boots should be in good condition and broken-in BEFORE Field Camp; extra laces
- ___ Lightweight shoes other than boots to give your feet a rest when you are not in the field; tevas or flipflops
- ___ Several pairs of Smartwool or similar hiking socks
- ___ Work/field pants - 2 pairs
- ___ Work/field shirts – 2 long sleeved, 3-5 short sleeved T-shirts
- ___ Hiking shorts – 2 pairs
- ___ Sweatshirt or sweater
- ___ Warm jacket
- ___ Underclothes (including long undies for cool nights)
- ___ Winter hat
- ___ Work gloves/winter gloves. Be prepared for rain AND snow.
- ___ Good quality, non-poncho rain jacket. Lightweight rain pants recommended. We will be working in areas at elevations of 7,000-11,000 feet (3800 m); mountain storms, including snowstorms, are not uncommon and the weather can be quite miserable for the unprepared.
- ___ Wide brimmed hat with chin strap for sun protection, bandanas
- ___ Sunglasses

OPTIONAL ITEMS:

- Leisure reading
- Small tent lantern (battery or solar powered)
- Spare batteries
- Electrolyte replacement tablets, for those hot days when you go through lots of water
- Camera (not required, but remember, you're only going to do this once!)
- Moleskin-type adhesive pads (a lifesaver if your boots turn on you)
- Reference texts (petrology, mineralogy, structural geology, sed/strat, etc.); you might want to coordinate this with other campers for efficiency and coverage. **Don't overdo this by bringing an entire library.**
- Body-attachment points (i.e., **hammer holster**, lanyards, fishermen's vest with many pockets, web belt); those who are plagued by forgetfulness will find that field work greatly accelerates equipment loss — attaching things to your body rather than stowing them in a pack sometimes helps
- We will be working and camping in areas with streams and lakes (with fish), and in the mountains with opportunities for climbing and hiking (in case you don't get enough of this during work).