

MATERIALS NEEDED FOR GEOLOGY 470

Text: Compton: Geology in the Field

Necessary Field Gear

- Geology hammer (Estwing heavier model best)
- Hand lens (10X)
- Rite-in-the-Rain 4-5/8" x 7" field notebook: stapled paperback #301, 311, or 351; or hardbound # 300, 310 or 350. I recommend hardbound if you can afford it.
- Map case or some method for carrying your writing equipment (pencils, rulers) and maps and air photos
- Non-magnetic clipboard with cover (not needed if you have a map case that serves as one)
- Brunton compass (will be checked out from stockroom)
- Pencils 2H and 3H (automatic ones OK)
- Colored pencils, set of 12 (medium hardness or soft; best if they have thin rather than fat lead, and should not be very water-soluble)
- Pencil sharpener or sandpaper
- Soft eraser: white plastic best for pencil (e.g., Eberhard Faber 5280 B20GR)
- 6" transparent plastic protractor-rulers: C-Thru W-37 (10 and 20 scale), W-38 (10 and 50 scale), W-43 (metric scales)
- Marking pen (Sharpie or El Marko type for marking rock samples) and plastic bags for samples
- Canteen or water bottles--most people take 2 -3 quarts
- Pocket knife
- Backpack for rock samples, lunch, raingear
- Band-aids, sun block
- Leather work gloves or truckers gloves (optional, but I always carry a pair; they're very valuable if you have to fight your way through blackberry vines and heavy brush, or for scrambling up sharp rock slopes)
- Camera (optional)

Field Clothing

- Sturdy field boots with good tread (you need something that will keep your feet warm, dry, and protected, and give you good traction and ankle support. We may be walking through muddy and wet areas, and on rugged slopes.) Rubber Wellington boots are OK, especially if it's rainy. Sandals are NOT acceptable.
- Rain gear that will protect you for most of a day, even if it's windy -- poncho, or preferably rain suit. Umbrellas won't cut it, and won't leave your hands free.
- Sweatshirt and/or warm jacket. I recommend a sweatshirt for layering under a rain jacket or shell.
- Sturdy and comfortable field pants -- you need something that will 1) keep you warm and 2) protect your skin against falls, brush, stickers. Pants should be loose enough that you can climb or scramble easily in them. Shorts are a bad idea -- no warmth and zero protection.
- Hat with brim or bill -- not only to provide warmth and skin protection, but also to shade your compass and your map.