



# GEL2530 Introduction to Geologic Field Work

## List of required materials:

(YOU MUST CARRY THESE MATERIALS WITH YOU AT ALL TIMES IN THE FIELD)

**Mandatory**, you should either purchase or make yourself:

- Carrying Case / Backpack dedicated to field materials. May also hold personal items (Lunch, water, etc.)
- FIELD NOTEBOOK: high quality, water-resistant paper, waterproof covers, 4 1/2" x 7 1/4", grid / graph.
- Wide rubber band to hold field notebook closed.
- Pencils (mechanical) & Colored Pencils
- Sharpie™
- Short Ruler Protractor Ruler (6 in)
- Handlense
- Acid Bottle
- Small Tape measure (~2m length)
- Light colored measuring rope ~1/4" (~50m<sup>+</sup>)  
Either purchase professional made "Surveyor's Rope" (\$26/50m) <http://www.professionalequipment.com/> or make yourself
- Clipboard with cover (9"+ wide, suitable for maps / airphotos)  
Regular clipboards are too narrow to hold standard 9" x 9" aerial photos. Either purchase or make your own. Purchase example:  
<http://www.amazon.com/Clipboard-Cover-Profile-Spring-205103-BL/dp/B007AG7VO0> (\$14.25).
- Heavy duty Ziplock™ bags (get the thickest ones you can) or better yet, cloth bags!
- A few small sample bottles for small specimens
- Small index cards
- Pocket knife (Swiss Army style)
- Toilet paper or paper towels (to wrap specimens) ...and possibly other important business ☺



**Mandatory**, purchase if you can. Also available for check-out through the department.

- Rock Hammer (Chisel point, NO carpenter's hammer)
- Brunton™ Compass

**Optional**, not required, but will come in really handy

- Rock/Mineral ID kit (Hardness, Density, Streak)
- Camera
- Pocket microscope
- Water bottle (for analysis)
- Chemical ID Kit (Micro torch, various acids, glass slides, etc.)
- Lighter
- Chisel
- Magnets (Keep those far away from your Brunton™, especially during measurements)
- Calculator (Scientific, but cheap)
- Few strips of colored vinyl or colored electricians tape for marking

## CLOTHING & PERSONAL ITEMS (besides those required for camping)

### Mandatory

- Good hiking boots (broken in)! Do not try to break in during field course.
- Several pairs of hiking socks
- Rain coat or poncho (small roll-up to carry in backpack)
- Hat and Beanie hat. You are often in full sun. High elevations may get sensitively cold, even in Summer.
- Sunscreen, sunblock.
- Gloves, for handling rough rocks and against cold.
- Drinking Water.
- First aid kit, especially bandaids.