



# GEL2530 Introduction to Geologic Field Work

## List of required materials

[Watch Introductory Youtube Video](#)

### REQUIRED:

- Student MUST Purchase:** BRUNTON™ GEO LITE TRANSIT Sku: F-5030 (*Order directly from [Brunton](#) or other online vendors carrying the product*) Cost~\$80
- Provided by Department:** Field Notebook - Waterproof, hardcover 4 1/2" x 7 1/4", grid / graph such as Forestry Suppliers™ 49352 Field Book.
- Provided by Department:** Kackstaetter, U.R., (2015). Dr.K's GEOLOGIC FIELD WORK BOOKLET - A short field Geologist's Manual.
- Carrying Case / Backpack dedicated to field materials. May also hold personal items (Lunch, water, etc.)
- Wide rubber band to hold field notebook closed
- Pencils (mechanical), Sharpie™ (waterproof ink pen like "Rite in the Rain™" optional)
- Ruler Protractor Combo such as [Westcott Engineers' Protractor Ruler, 6"\(15cm\), Transparent \(W-8\)](#) or similar as pictured. Make sure to purchase the smaller 6 in version so it will fit into your field notebook! *See office supply stores or online order*
- Your Handlense and Acid Bottle from the GEL1010 or GEL1020 Rock / Mineral kit
- Small "Mini" key-chain tape measure (~3ft length): [Example](#)
- Long Reel Tape Measure (~100ft +) such as [Harbor Freight™ Pittsburg 165 ft x 1/2 in Measuring Tape SKU 62412, 35712](#). Purchase online or from Harbor Freight™.
- Clipboard with Cover: [Example](#)
- A few Heavy duty Ziplock™ bags (get the thickest ones you can) for sampling
- A few Small index or note cards for sampling
- Pocket knife (Swiss Army style)
- Toilet paper or paper towels (to wrap specimens) ...and possibly other important business ☺
- FREE Cell phone App "RockD". See <https://rockd.org/> for details.



	<b>RockD</b> <a href="https://rockd.org/">https://rockd.org/</a> Available for Android and iPhone	Uses GPS technology to identify the geologic formation you are standing on and provide details such as age, composition, stratigraphy, position, and elevation and much more.
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### Optional, but useful materials / equipment

- Rock Hammer (Chisel point, NO carpenter's hammer): [Example](#)
- Chisel
- Rock/Mineral ID kit (Hardness, Density, Streak) from GEL1010
- Chemical ID kit from GEL3050
- Pocket microscope
- Water bottle (for analysis)
- Lighter
- Magnets (Keep those far away from your Brunton™, especially during transport).

### Clothing & Personal Items for Field Work

- Good hiking boots (broken in)! Do not try to break in during field course.
- Quality hiking socks
- Sun glasses that can double as safety goggles.
- 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 band-aids.