

**Department of Earth Sciences  
Introduction to Field Mapping (GEOL 3910)  
List of Equipment for Geological Field Work**

***Personal field gear***

<i>Equipment</i>	<i>"Required"</i>	<i>Recommended</i>
Hand lens (10X) or better	X	
Pocket magnet	X	
Hardness scribe		X
Clip board (aluminum 12" x 10" with simple spring hinge preferred)	X	
Pad of metric squared paper (for making maps in field)	X	
15 cm (6 inch) ruler - metric and imperial (0.1 inch) units	X	
Navigational (Douglas) protractor - 360°	X	
Tape measure (5 m) - metric +/- imperial	X	
Whisk broom		X
Selection of black pencils (4H, 2H and HB) and erasers	X	
Ball point pens	X	
Packsack for day work	X	
Canteen or water bottle, thermos (some days may be cold)	X	
Sturdy pocket knife		X
Waterproof case or bag		X
Watch		X
Cruiser vest		X
Digital camera		X
Sunscreen, Lip balm and insect repellent		X
Kitchen-size garbage bags to protect your work on a wet day	X	
Pocket first aid kit		X

***Personal gear: some necessities / recommendations***

1. Bedding: sleeping bag or sheets, pillow, ear plugs, etc...
2. Food: bring enough food for the duration of the field course
3. Camp wear: footwear, pants (long & short), tops (long & short sleeve), sweaters, jackets, socks, underwear etc...
4. Field wear: rain gear (top and pants), gloves or mitts, parka, etc...
5. Hygiene: shampoo, toothbrush and toothpaste, comb, towels, etc...
6. Health: pills (e.g., antihistamines)

## Personal office gear

<i>Equipment</i>	<i>Required</i>	<i>Recommended</i>
Set of triangles: 30°-60° triangle and 45° triangle		X
Ball point pens		X
Selection of black pencils (4H, 2H and HB) and erasers		X
Pad of metric squared paper	X	
Pad of tracing vellum or onion skin paper*	X	
Roll transparent scotch or magic tape*	X	
Roll masking tape*	X	
Set of coloured pencils	X	
Drawing pens in a variety of thicknesses (e.g. 0.2, 0.3, 0.5, 0.7) in permanent black ink	X	

\* some equipment can be used by more than one student (i.e., shared)

## Additional Notes

1. As part of the course fees the Department will buy a compass and field notebook for you. We will also supply you with a stereonet and paper for producing the final copies of your maps.
2. You must have adequate gear for field work, because we work in all types of conditions (sunny, rain, snow, etc.) and different terrains (rock, bush, swamp, etc.). Footwear is extremely important; running shoes are not allowed on traverses and flip flops are not allowed on outcrops.
3. We supply reflective vests for any work along roadways. First aid kits will be available at the Star Lake field camp and each instructor.
4. Geologic hammers (1 or 2 lb.) are important tools used by geologists to collect rock samples. In this course, a geologic hammer is not necessary. If you bring one, its use will be restricted. In Advanced Field Mapping (GEOL 4910) a geologic hammer is an important tool to take rock samples, which can be used to help with your field mapping. You will probably want one.

## Geological Equipment Suppliers

- Deakin Equipment Ltd., 1610 Powell Street, Vancouver, V5L 1H4; Tel. 1-800-663-3735; [www.deakin.com](http://www.deakin.com)
- IRL Supplies., 610 Richard Rd., Prince George, B.C., V2K 4L3; Tel. 1-800-663-6843; [www.irlsupplies.com](http://www.irlsupplies.com)
- Norseman Supply, 10 Kenabeek Street, Winnipeg; Tel. 204-668-3700; [www.norsemansupply.ca](http://www.norsemansupply.ca)
- Wildrose Geological Supplies, 431-8<sup>th</sup> Ave SE, Calgary, AB, T2G 0L6; [www.wildrosegeological.com](http://www.wildrosegeological.com)
- Petrocraft Products Limited, 2410C – 2<sup>nd</sup> Ave SE, Calgary, AB, T2E 6J9; <http://www.petrocraft.ab.ca/home>

## Outdoor Gear Suppliers in Winnipeg

There are numerous stores where you can purchase outdoor gear including Canadian Tire, Wal-Mart and Atmosphere. There are also several stores with retail outlets that specialize in outdoor gear including:

- Cabela's Canada, 580 Sterling Lyon Parkway; Tel. 204-786-8966
- MEC, 303 Portage Ave.; Tel. 204-943-4202
- Wilderness Supply, 50 Isabel Street; Tel. 204-783-9555
- Wholesale Sports Outdoor Outfitters, 1225 St. James St., 204-663-1094