SUPPLY LIST FOR PRECAMBRIAN FIELD CAMP

Geology Field Gear
Backpack (rugged enough to carry up to 30 lbs of rock)
Triplet hand lens (10x)
Hammer w/ belt holster (2-3 lb. “blacksmith” sledge is best for crystalline rocks)
Orienteering compass (Silva (see attached image), Suunto,…)

Notebook/pencil pouch (should hold 5”x7” notebook and 4-6 pencils)
Mechanical pencils (bring several 0.5mm pencils and extra leads)
Field hat (short brimmed canvas hat best in woods; e.g. Tilley hat)
Rain gear (separate jacket and pants; do not use expensive gear as it will get torn)
Waterproof hiking boots
Bandana
Water bottle(s) (2qts minimum)
Watch
Small flashlight
Pocket knife
Emergency blanket (aluminized polyester or mylar)
Small first aid kit
Waterproof matches
Insect repellent (lotion or spray; 20-30% DEET)
Sunscreen (15-30 SPF)
Optional
Field vest (canvas or cordua nylon fabric is best; may not need notebook/pencil pouch)

Will be Supplied
Brunton compass
GPS units
Digital cameras
Jump drives
Photo scale cards
Sample bags
Field notebook
Pen magnet
Acid bottle
Colored pencils
Map board
Flagging tape

Geological Supply Websites
Miners - http://www.minerox.com
Chaltrek - http://www.chaltrek.com
CGS Mule - http://www.cgsmule.com
Forestry Suppliers - http://www.forestry-suppliers.com
**Personal Gear**
Sleeping Bag (rated to 20°F)
Sleeping pad or cot (for camping)
Pillow
Radio alarm clock
Bedding for twin beds at Vermilion Comm. College dorms; may substitute sleeping bag if you prefer (bedding will be provided at UMD)
Towels - for bathing and swimming; towels will be provided at UMD dorms
Toiletries - toothpaste, toothbrush, deodorant, shampoo, hand soap, …
Medications - Tylenol, cold medicine, Benadryl
Field clothing - long pants and long sleeved shirts are recommended for summer field work in northern Minnesota forests; for some projects, shorts and T-shirts may be OK, but these are the exceptions.
Window or desk fan (optional) – Dormitories are NOT air conditioned and some days can get quite warm.
Tent (optional) - 2-4 person, lightweight; for possible use during Capstone Mapping Project

**Sports and Recreational Equipment (optional)**
Sportsgear - baseball mitt, hacky sack, frisbee,…(sportsgear for volleyball (ball and net) and softball (balls and bats) will be provided)
Sportswear - athletic shoes, shorts, T-shirts
Fishing gear (will need MN license)
Musical instrument - guitar, harmonica, …
Games - playing cards, small boardgames, hand-held video game players
Music players (IPods, CD players…)
Camera for personal use (digital cameras will be supplied for field exercises)
Laptop computer - wireless access is available at UMD and VCC for personal laptops (if you do not have a laptop, computers will be available throughout camp)