

GY480 Field Geology
1:12,000 or 1:24,000 Geologic Mapping Project Checklist

Equipment

1. Pocket transit (2 per group; set declination before using).
2. Notebook and pen/pencil.
3. Base topographic map (1 per group).
4. GPS (1 per group; set map datum to match base map).
5. Extra set of AA batteries for GPS.
6. Push-pin for marking data station locations
7. UTM plotting grid

Note that it is the responsibility of each group to download and/or record GPS waypoints at the end of the day. It is also a group responsibility to have batteries for the GPS. You should learn from the instructor how to set the proper map datum, store and retrieve waypoints, and plot waypoints onto a base map before beginning the project. If the special waterproof paper is used for the base map you will have to use an ink pin to write on the map.

Personal Gear

1. Hat.
2. Sunscreen.
3. Daypack with hydration pack/canteens (at least 2 quarts; 4 quarts for NM and AZ).
4. Rock hammer.
5. Camera (photos are used for end of course presentations).
6. Raingear
7. Fleece or jacket when above 7000 feet altitude.
8. Boots with change of socks.
9. Water shoes for wading across streams.
10. First aid kit (we will be miles from the van in NM and AZ)