Lab 1 - Geocaching

Due: 9/7/2017

This lab is to be completed in your project teams.
For this assignment you will need a GPS receiver that is capable of:
  ● displaying the current coordinates (Latitude, Longitude, Altitude)
  ● directing the user to a particular set of coordinates (not an address)
  ● showing the current satellites in use (usually a polar plot)
If you own an Android or iOS device, there are apps available. I have two units available for use if you need them, but you need to schedule their use with me.

Register

Go online and create an account on geocaching.com. This is required to access the cache coordinates.

Select a Cache

After registering, select a cache to search for. A good way to find them is to use geocaching’s Google Maps portal at:
http://www.geocaching.com/map/beta/default.aspx
It may be a good idea to get the coordinates to several in case one is difficult to find.
What is the label (starts with GC), title, and coordinates for each cache?

Find the Cache

Using your GPS device, plug in the coordinates and find the cache. Usually there is a log to sign at the cache but that is not required. Complete the following activities at one cache:
  1. Note the reported coordinates on the GPS device (not necessarily the same as the cache’s coordinates)
  2. Note the terrain such as any tall buildings, heavy foliage, open sky, etc.
  3. Either sketch or photograph the current satellites used by the receiver.
  4. Note the time and day of the finding.