GEOG205 Winter 2017 Project (25%)

➢ The project outline is completely open if you have specific ideas of your own.

➢ The purpose is to create a map of your choosing from data import to finish.

➢ Use this chance to make a map to show an area / theme that is useful or meaningful to you .... or an area relevant to another course. You can use the three assignments as 'models' of the type of map you might produce: 1. Location, 2. Thematic, 3. Topographic; check the 'Projects' link on the GEOG205 home page to view some previous project maps.

➢ Final product is a **tabloid (11 x 17") or letter (8.5 x11") page size map**, submitted along with a **one page description / rational** behind your area and design - why you chose this area, what you are showing, and design principles.

➢ This map should embody the principles and processes learned during the course. Do NOT use another map as 'raster' background in your final output.

➢ You should endeavour to access and assemble the data you need in this first week's lab time ... confer with your TA as needed.

First steps

1. Which **map type**: Location, Thematic or Topographic ?

2. **Geographic area**: BC, Other province, Other country ?

3. **Scale**: Municipal, Local, Regional, National, Global.

4. Aim to collect data this week, plan design next week, execute final output final week.

5. Make it so and Boldly Go !

General data available:

Canada - all map NTDB **vector** layers at 1:50,000 (similar process to assignment 3)

BC - provincial TRIM layers, by tile (from GIS lab) or AOI (area of interest - online)

BC - forest cover and some related thematic layers

PG - all city layers including DEM, contours and orthophotos

Census Canada: http://www12.statcan.gc.ca/census-recensement/2011/rt-td/index-eng.cf

- check first with Scott for census data

Other - the list could be endless .. you are not limited by the above
See for example: https://en.wikipedia.org/wiki/List_of_GIS_data_sources

If you have no distinct other plans, this default template is suggested:

Select a dataset from the NTDB (anywhere in Canada) at 1:50,000. Redesign the elements to suit your focus, and distinguish it from the standard NTS design. For example, add shaded relief - easily generated from the contours/DEM.
The data are initially organized and can be downloaded by 1:50,000 NTS map sheets, but the Geospatial Extraction tool enables you to cross map edges. http://geogratis.cgdi.gc.ca

-    download as in assignment 3 using geospatial extraction tool for AOI; you can use a downloaded map raster to set arcmap data frame to UTM; vector data are otherwise in geographic: be sure to reproject. Geogratis also has smaller scale regional data.

BC data

https://apps.gov.bc.ca/pub/dwds/home.so

https://www.for.gov.bc.ca/hts/vridata

Other Provinces- (or google provincename gis data)

http://canadiangis.com/data.php

Municipal sites: (UNBC GIS Lab has PG data)

http://princegeorge.ca/cityservices/online/odc/Pages/default.aspx

http://www.mapplace.ca... Other BC cities: e.g. Saanich (Victoria)

Selected free data sites:

http://www.openstreetmap.org

http://freegisdata.rtwilson.com

http://www.mapcruzin.com

.. also see the data options when you 'add data' using ArcGIS online