

Group Project (Field Surveying Spring 2021)

Scope of the project: US and selected country (different continent)

What would you do if you had an opportunity to be part of surveyors' team traveling to a developing country or a region or an area with little infrastructure, to provide surveying and mapping services in support of an engineering design or construction project such as a community well, township, roadway/utility corridor, small bridge, new school or new municipal building?

You may end up considering any one the following:

1. Utilizing remotely sensed data in a modern surveying practice
2. Large scale boundary/topographic Survey
3. Surveying applications in Geographic Information systems (GIS)
4. Assessment of water or oiling conditions (e.g. Hydrographic Survey)
5. Environmental baseline survey

Information/Data References:

- Must refer **minimum three published journal papers or related** to come up with your topic.
- National Society of Professional Surveyors (www.nsps.us.com)
- United States Geological Survey (www.usgs.gov)
- Federal Geodetic Control Committee (<https://www.ngs.noaa.gov>)
https://www.ngs.noaa.gov/FGCS/tech_pub/1984-stds-specs-geodetic-control-networks.htm#3.6

We will have progress presentations to review your work done so far. (02/22 and 03/29)

Develop an interactive presentation.

- a. 15 minutes total for the group and 5 minutes for Q & A, total 20 minutes.
- b. Each group member must present.
- c. Professional behavior and attire are expected for the final presentation.

d. Final Presentations will be on April 26th.

Group Project Grading

Approval Email (Due 03/01)	5%
First Progress Presentation (03/22)	10%
Second Progress Presentation (04/15)	10%
Appearance and Professional Behavior	5%
Presentation Style: Use of graphics/animation/media/etc....	10%
Introduction/Objective/background	10%
Comparison	10%
Summary & Findings	30 %
Overall Content	10%
Total	100%