Introduction:

This is a course intended to allow you to explore some of the current issues that are of relevant in Geomatics. As a very diverse group geomaticians typically look at problems/issues from different perspectives, and tend to view issues with differing levels of importance. What we will do through is to look as some of these issues through the lens of “data conflation”. While this may sound somewhat arcane, the integration of disparate datasets, whether from a temporal, spatial, thematic, or spectral perspective, will most likely be of utmost importance to your own research objectives. This course is intended to provide for you an opportunity to explore some of these issues, and for you to address them from the perspective of your background.

You will take leadership in defining what, based on your own experience, are the important issues. You will have input into two components of the course. The first is in deciding as to which are the relevant issues. The second is in working on a project of your choice, one is not necessarily directly related to your thesis that addresses one of these issues. The outcome of this project will be presented in the final weeks of the term.

We will define the first topics that we consider to be relevant in Geomatics today. These topics can be related to specific directions of Geomatics or what are the seminal/defining features of Geomatics and where do we believe that these features are trending.

The final aspect of the course will involve your chosen project areas. These can be related to your thesis ideas, but not specifically on them. i.e. you can develop a project idea that may support your potential thesis work without actually addressing the research question that you are contemplating. The project may be a hands-on exercise, or it may be a more theoretical library-based paper. You will be asked to prepare a 20 minute presentation (plus 10 minutes for discussion) to the class.

Mark Distribution:

1. Seminar presentation: 20%
2. Final project write-up: 50%
3. Class participation: 30%