GEOM4008 – Fall 2020
CARLETON UNIVERSITY
Take Home Exam – Report on Term Project

By the end of the exam period (Dec. 23), submit a project report (electronic submission in PDF form, on cuLearn), that reports on the following, under the indicated headings (report sections):

- **Purpose of the tutorial, and approach taken:** provide a brief outline of the geomatics tools/methods you have documented in your tutorial, and why you chose them. Discuss what kind(s) of users you chose as the target audience for your tutorial, and therefore what approach you took to develop the tutorial, including why that was appropriate for the target audience (/10);
- **Discussion and conclusions:** write a discussion of what you've learned through the tutorial development, and what background learning informed that development (/10).
    - For full marks, the discussion must **include reference to other course materials/papers or discussions** (**with appropriate citations**); in other words, we would like you to make connections with the topics we've discussed through the term. Some parts of the course will not have direct relevance to your project, but all projects should be able to at least talk about concepts around uncertainty and error, probably standards could be involved, and given that you're using open source software, you should also be able to refer to some of that material. Use other material we covered as appropriate to your tutorial.
    - This section should also indicate the strengths and weaknesses of the tools used in your demonstration, and where investment might need to be applied in the future to improve the process or introduce new possibilities.
    - Similarly, document any suggestions you have about how the tutorial might be modified or expanded in the future. Are there things you would have included or changed, given more time or other resources?

- This report does not need to be overly long, but it should be well written and well-structured and organized. It should include thoughtful analysis about the lessons learned while you were learning the relevant software / data exchange mechanisms, and the writing of the tutorial. The actual

lengths of the reports may vary widely depending on how much of the discussion of software actually comes up in your tutorial document, the inclusion of figures, examples as applicable, etc., but we are envisioning around 7-12 pages of actual double-spaced text, plus figures and tables as applicable.

- EACH STUDENT must write an INDIVIDUAL FINAL REPORT about the project; there will obviously be similarities in your reports, but NO collaboratively produced writing will be accepted. Write the report in complete isolation from your partner if you have one. Do not exchange copies, to make sure you don't accidentally include similar material.