GEOGRAPHY 585: Remote Sensing I
Fall 2021

GRAD STUDENT PROJECT

In addition to the labs and quizzes, graduate students are expected to carry out a short remote sensing project or a literature review of a specific remote sensing topic. This project is an opportunity to: reinforce skills; demonstrate the ability to learn new techniques; find, download and process remote sensing data; and present information in a meaningful and appealing way. Please discuss your plans with the course instructor **before the end of Week 7 (Nov 12)** before you start any major work.

Task 1:

Present your project to the class during Week 10 (Nov 29 or Dec 2) of the term. This should consist of around 10-15 slides illustrating the project purpose, methods, and results (or anticipated results). Presentations should be 12-15 minutes long. Please upload slides to Canvas by **Nov 28 11:59pm.**

Task 2:

Submit a write-up to Canvas by **Dec 5 11:59 pm** describing the input data, analysis steps, summary of the results, and suggestions for improving the project through better data or more effective analysis (or a literature review on a specific remote sensing topic). This report should be no longer than 2,000 words (excluding references) and contain at least the following sections:

- Introduction
- Methods
- Results
- Discussion/conclusion

You are expected to include several relevant references that are appropriately cited in the text. The write-up should not focus on the individual names of tools used, but should provide a clear, general description of the project purpose, data used, analysis steps, results, and conclusions.

Guidelines:

Projects may focus on data collection or data analysis or visual/statistical output – but not on all three of these at once . Consider a research project and question that interests you, and discuss this with the instructor to ensure that the scope and focus of your project is manageable and meets the expectations of the course. Your research question should require you to use the skills and knowledge you have obtained thus far in the course.