

GIS in Water Resources Term Project

Your GIS in Water Resources Term Project is due 12/8/17

This should be a 10 to 15 page document that is prepared in PDF. It should include text, maps and graphs that comprise your project.

Term Project Grading Rubric

Content 70%

- Correctness. Is the analysis and interpretation technically correct.
- Substance. Is the analysis and interpretation sufficiently substantial. I am looking for work that demonstrates some original thinking and application beyond what has been done in class exercises. The work done should be sufficient to address the objective or questions posed.
- Understanding. Does the work presented show understanding of the problem being addressed and include an interpretation of what the results or outcomes mean in the context of the problem posed.
- Use of GIS. Does the work done use GIS for producing maps (nicely labeled and quantitatively annotated with scale, labeling and legend appropriate for the context), gathering and organizing the data and performing spatial analysis.

Presentation 25%

- Writing. Is the writing clear, concise and organized? Should include introduction, statement of objectives or problem, method, results, discussion, conclusion. These should be balanced. The writing should be simple and direct, avoiding jargon to the extent possible.
- Visuals (Maps, Figures and Tables). Are the maps, figures and tables clearly presented with axes labeled, units given, and presented in the best way possible to support the analysis and interpretation?

Writing center consultation 5%

The Engineering Writing Center (SER130) (<https://engineering.usu.edu/students/ewc/index>) is available to help improve the technical writing associated with class writing assignments. You are encouraged to have the writing center help with all phases of your term project, including proposal, progress report and final paper. To incentivize this I will allocate 5% of the final term project grade for having had your work reviewed by the writing center. 1% will be for the proposal, 1% for the progress report and 3% for the final paper. After consultation with the writing center you should receive an email confirmation of your visit. Forward this email to me to receive this writing center credit. You can make appointments with the writing center at <https://engineering.usu.edu/students/ewc/index> or by emailing ewc@usu.edu. Be sure to plan ahead and allow enough time for this visit, recognizing that towards the end of the semester they may be busy and unable to schedule appointments on very short notice.

Your term project should be in a PDF document named "TermProject.pdf" and placed in your HydroShare resource following the instructions at <http://hydrology.usu.edu/dtarb/giswr/2017/HydroShareInstructions.pdf>