# AMOD-5610/5620 Project Report Requirements

## Report Content:

Your project report should be at least 15 pages and a maximum of 30 pages (this includes from the Introduction to Conclusion but does not include the bibliography, appendices, title page, table of contents).

Do not include code in your report unless you have prior permission from your primary instructor.

## Report Format:

### Introduction

* Build off of your project proposal.
* In general, any document should have an introduction (or overview).
* It should:
  + clearly state the project objective
  + describe the solution approach
  + discuss why the study is being done
  + describe the structure of the remaining document
* It should be broad, and setup up the rest of the document that provides the detail.
* It sets the tone for the entire report.
* It (and the conclusion) may be the only thing that much of your audience reads.
* [Trent University Academic Skills - Writing an Introduction](https://www.trentu.ca/academicskills/how-guides/how-write-university/writing-introductions-conclusions-and-body-paragraphs/writing)

### Literature Review

* Build off of your project proposal.
* Review of the academic work that is relevant to your topic.
* Should stick to peer reviewed academic work, particularly academic articles and textbooks.
* Locate your project within the larger body of work related to the topic.
* Choose a citation method and stick to it. In general, we prefer IEEE or APA. Refer to:
  + [Trent University Academic Skills - What to Cite and How to Cite It](https://www.trentu.ca/academicskills/documentation-guide)
  + [How to Cite References: IEEE Documentation Style](https://ieee-dataport.org/sites/default/files/analysis/27/IEEE%20Citation%20Guidelines.pdf)
  + [APA Style](https://www.trentu.ca/academicskills/documentation-guide/apa-style)
* Do not include your reference here, they go at the end of your report.

### Data Set

* Provide an overview of your data set
* Describe attributes, format, size.
* Exploratory data analysis could go here.

### Methodology

* Discussion of method that will be used.
* Why did you choose this method?
  + Pros and cons of the method.
* What other options would be available in your situation and why not use those?

### Results

* What is the take-away? What did you find?

### Discussion and Conclusion

* Why are the results important?
* Summary of work.

### Bibliography

### Appendices (if required)

* In general, you should not put any code in your report. The exception to this *may* be:
  + If your project is to develop a new code tool (library/API)
  + If you use your code in a very unusual or innovative way.
* If for some reason it is important to describe or show specific code, that discussion is generally best to put in an Appendix. For example:
  + If you developed work that is beyond the main scope of your project (but related to it), an appendix may be a good way include it.

# Submission Details

* Submit your report either in .docx or .pdf format to the Blackboard drop box (when it is available).
* In addition to your report, submit all code files that you used in your project in a .zip file. If you need help with this, contact your primary instructor.