

# Final Project

## 1 Introduction

The final project for this course will involve a 5-minute group presentation on your selected problem from the list provided on OpenLab.

## 2 Objective

For this activity, the goal will depend on your selected project. You are expected to write a solution to your problem in a Jupyter notebook that you will then present to the class (you do not need to create a PowerPoint presentation). Details on the content requirements can be found in the section below.

## 3 Grading Criteria

This project is worth a total of 20 points:

- (5 points) Presentation - The presentation should be clear and of appropriate length (not exceeding 5 minutes excessively).
- (5 points) Write-up - Your notebook should include the following sections:
  1. Introduction - Introduce your particular problem.
  2. Analysis - Explain your algorithm and display the code you created to solve your problem.
  3. Conclusion - Determine the solution to your problem and briefly discuss any potential generalizations.
- (6 points) Algorithm and Implementation - The algorithm designed and implemented in Python solves the problem.
- (4 points) Neatness and Timeliness - Your write-up is neat, clear, and turned in on time. The assignment must be typed (as a Jupyter notebook) and completed by 8:00am on December 9th.