# MTH 4300: Algorithms, Computers and Programming II Fall 2025

Section: STRA

## **Problem Set Guidelines**

Your submission should follow this file structure:

It'll make it easier for me to grade since I can just add a build directory and run CMake on my end.

## **Grading Criteria**

Your problem set will be evaluated based on the following criteria:

#### **Code Functionality**

- Correctness: Programs compile without errors and produce expected output
- Requirements compliance: All specified features and requirements are implemented
- Input/Output: Proper handling of user input and clear, formatted output
- Edge cases: Appropriate handling of special cases (e.g., division by zero)

#### Code Quality

- $\mathbf{Code}$  style: Consistent indentation, meaningful variable names, proper spacing
- Best practices: Use of appropriate data types, proper use of  $\mathsf{std}$ :: prefix
- Organization: Logical code structure and flow
- Comments: Minimal but effective comments explaining complex logic (when needed)

### Documentation and Submission

- Sample output: Clear demonstration of program execution with sample runs  $\,$
- $\bullet$   $\,$  File organization: Proper CMakeLists.txt and source file structure
- Submission format: Files organized in a folder and submitted as requested