# Meteorology 2270 - Fall 2025 – Exam #2 Review

## Repetitive Execution

- Counter controlled Do-Loops
- Do-Loops controlled by a logical expression
- Pre-test, test in the middle, post-test loops
- Be able to program loops and determine output from examples.

## Formatted Input/Output

- Open statements/Close statements
- Read and writing to file (File processing)
- Use of Read and Write statements for this purpose
- Use of IOSTAT for detecting EOF conditions

## Arrays

- Purpose of arrays
- Array declaration, array access, and array assignment
- Use of 1-dimensional arrays
- Use of 2-dimensional arrays
- Filling arrays from file.

## Functions, Modules, and Subroutines

- Know the purpose of each
- Types of subprograms: Internal, external, and modular
- Differences and similarities between functions and subroutines
- Purpose of INTENT(IN), INTENT(OUT)
- Scope

**Good Luck!**