

# University of Central Florida

## Department of Computer Science

### COP 3402: System Software

#### Homework #4 (Code Generation)

##### **Objective:**

In this assignment, you will use the parser written in assignment 3 to emit PM/0 machine instructions. Please see the webcourses assignment for the github classrooms link to start with the skeleton code.

This assignment will take the output of the lexer (a stream of tokens) and produce PM/0 machine. Only `code_generation.c` should be modified. Use the `emit` function to produce PM/0 machine instructions. See the `README.md` for details about the source code already given in the skeleton.

The symbol table is used to store any constant value, lexicographic level, the scope (i.e., parent symbol), the address of the symbol (if any), etc. Please see the `README.md` for details on the symbol table.