

**CS 4100/5100 Code Generation Grade Sheet– F2020**  
*See assignment for details*

**CODE GENERATION (220 POINTS TOTAL)**

**1. Turn-in Format Requirements (or not graded at all) (30 pts total)**

<b>All Output sections</b> 1 through 5, in order, single .txt	15 points	_____
<b>All Source sections</b> A through I, single .PDF with Table of Contents (page number for each A-I item)	15 points	_____

**2. Minimal Full Credit Output Requirements (80 points) -**

***CS4100FinalProjGOODMinimumFA20.txt* test file output, in this order**

<b>1) Source line exact echo no tracing of tokens</b> Echos exactly as the source file contents	15 points	_____
<b>2) Symbol table dump before execution</b> neat format	10 points	_____
<b>3) Quad table dump</b> w/ opcode mnemonics, operand s.t. names & <index> <i>close to format shown below</i> <code>ASSIGN   _TEMP00&lt;5&gt;   -----   I &lt;1&gt;</code>	20 points	_____
<b>4) Quad execution output</b> trace/notrace, prog output <code>PC = 0025: PRINT _TEMP00 = 31</code>	25 points	_____
<b>5) Symbol table dump after execution</b> is correct	10 points	_____

**3. Minimal Full Credit Source listings as noted below (110 points)**

Be sure to include a Table of Contents, showing page #'s for A through I

<b>A) IF/ELSE Statement</b> code gen	15 points	_____
<b>B) WHILE Statement</b> code gen	15 points	_____
<b>C) FOR Statement</b> code gen	15 points	_____
<b>D) WRITELN Statement</b> code gen	15 points	_____
<b>E) Expression, Term, and Factor</b> Integer type code gen	15 points	_____
<b>F) Interpreter</b> function which executes all the quads	15 points	_____
<b>G) Symbol table dump</b> verify	5 points	_____
<b>H) Quad dump</b> function verify	5 points	_____
<b>I) Error recovery and resynch</b> function(s)	10 points	_____

**4. Additional Extra Credit Run/Source listings (Up to 55 points)**

- A) **REPEAT/UNTIL** Statement code gen 15 points \_\_\_\_\_  
Only Output 1..5 using ***FinalProjRepeat20.txt*** test file
- B) **LABEL/GOTO** code gen 25 points \_\_\_\_\_  
Only Output 1..5 using ***FinalProjLabels20.txt*** test file
- C) **FLOAT MATH** functionality 15 points \_\_\_\_\_  
Only Output 1..5 using ***FinalProjFloat20.txt*** test file

Name \_\_\_\_\_ (220) TOTAL \_\_\_\_\_

(55) EXTRA CREDIT \_\_\_\_\_

FINAL \_\_\_\_\_