MTSU Computer Science Rubric to Measure Performance Indicator C.2: Graduates will be able to design and implement a solution to a given problem.

Course: _____ Student: _____ Evaluator: _____ Date: _____

Performance Criteria	Unsatisfactory	Satisfactory	Exceeds expectations
Design	• Program contains serious design errors or no procedures are defined.	• Program may contain minor design errors. • Program contains at least one procedure definition.	• Program has no design errors. • A procedure is defined for each specific task.
Implementation	• Program does not compile, some procedures contain serious logical errors, or program meets less than 70% of the design specification (e.g., program output not formatted or not properly labeled or identified).	• Program produces no compiler errors, but it may produce compiler warnings. • Some procedures may contain minor logical errors. • Program meets at least 70% of the design specification (e.g., some program output may not be formatted or properly labeled and identified.).	• Program produces no compiler errors or warnings. • No procedures contain logical errors. • Program meets all design specification (e.g., all program output well formatted and properly labeled and identified.).
Coding style	• Less than 70% of user-defined identifiers use meaningful names, program does not contain comments, or program does not use indentation or white spaces.	• At least 70% of user-defined identifiers use meaningful names. • Program uses some comments, but there may be some difficulty in understanding the program. • Some sections of the program may lack proper, consistent indentation or white spaces.	• At least 90% of user-defined identifiers use meaningful names. • Program uses enough comments so that there is no difficulty in understanding the program. • Program uses proper, consistent indentation and white spaces in appropriate places for readability.

Last modified: February 8, 2011