2013 Scanning Sheet. Assignment Description:_____ Instructor:_____ Date:_____ Scanned File Name:_____

ABET Outcomes											Rubric or student %	Example problem	Outcome #	EE 107: Introduction to Electrical/Computer Engineering 2 - Reviewed 2013
A	B	C	D	E	F	G	H	I	J	K				
2													1	Master the basic data types, operators (logic, arithmetic, bitwise, relational), expressions and macro definitions in the C programming language.
2													2	Use if, if-else, while, for statements to control program flow and implement program loops.
2	2	2		2		2							3	Develop program algorithm using flowchart or pseudo code according to program specification so that it can be converted to C code.
2	2	2		2		2							4	Define and use functions to develop the hierarchical and modular programs.
2	2												5	Declare and manipulate 1-D and 2-D arrays and use pointers to access data storage.
2	2	2		2									6	Define and manipulate the composite data structures such as struct, union in C.
2	2	2		2									7	Declare and manipulate character strings.
2	2												8	Develop C code to input from and output to external files.
2	2												9	Use standard C library functions to develop modular code.
2	2												10	Apply at least one development environment to compiling, linking, debugging programs.
2	2	1		2		2							11	Use preprocessor statements to make program more flexible, more readable, and more portable.

1=supporting contribution
2=significant contribution

Rubric
5: Excellent Mastery of Outcome By Vast Majority of Students
4: Good Mastery of Outcome By Vast Majority of Students
3: Adequate Mastery of Outcome By Majority of Students
2: Marginal Mastery of Outcome By Most Students
1: Lack of Mastery of Concept By Most Students

Improvement Suggestions or Comments:

a. an ability to apply knowledge of mathematics, science, and engineering
b. an ability to design and conduct experiments, as well as to analyze and interpret data
c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
d. an ability to function on multi-disciplinary teams
e. an ability to identify, formulate, and solve engineering problems
f. an understanding of professional and ethical responsibility
g. an ability to communicate effectively
h. the broad education necessary to understand the impact of engineering solution in a global, economic, environmental, and societal context
i. a recognition of the need for, and an ability to engage in life-long learning
j. a knowledge of contemporary issues
k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice