2014 Scanning Sheet. Assignment Description:_____ Instructor:_____ Date:_____ Scanned File Name:_____

ABET Outcomes											Rubric or student %	Example problem	Outcome #	**EET 142 (4) - Outcomes Reviewed 2016**
A	B	C	D	E	F	G	H	I	J	K				
2													1	Master the basic data types, operators (logic, arithmetic, bitwise, logical, and relational), expression, and macro definitions of C language.
2													2	Use if, if-else, while, switch, and for statements to control program flow and implement program loops.
2	2	2		2		2							3	Develop program algorithm using flowchart and 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 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	Write C programs to read from and write to external files.
2	2												9	Use standard C library functions to develop modular code.
2	2	1		2		2							10	Use preprocessor statements to make program mode flexible, more readable, and more portable.
2	1			1									11	Write C program to control simple peripheral I/O devices such as LED, seven-segment displays, and motors using the chosen microcontroller kit.

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 select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly defined engineering technology activities
b.	an ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies
c.	an ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes
d.	an ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives
e.	an ability to function effectively as a member or leader on a technical team
f.	an ability to identify, analyze, and solve broadly-defined engineering technology problems
g.	an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature
h.	an understanding of the need for and an ability to engage in self-directed continuing professional development
i.	an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity
j.	a knowledge of the impact of engineering technology solutions in a societal and global context; and
k.	a commitment to quality, timeliness, and continuous improvement.