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

ABET Outcomes											Rubric or	Example	Outcome	**EET 113 DC Circuits (3) – Outcomes Reviewed 2013**
A	B	C	D	E	F	G	H	I	J	K	student %	problem	#	
2	1	1	1		2								1	Use Ohm's law to determine the current in a branch and a voltage between two nodes.
2	1	1	1		2								2	Use Kirchoff's laws to determine the current in a branch and a voltage between two nodes of a circuit.
2	1	1	1		2								3	Use Thevenin's (Norton's) Theorem, node analysis, mesh analysis and the superposition theorem to analyze a simple circuit with at least three components.
2	1	1	1		2								4	Be able to analyze circuits with independent as well as dependent sources and measure currents and voltages.
2	1	1	1		2								5	Use available circuit simulation software to simulate DC circuits.
1	1		1			2							6	Effectively prepare written reports of circuit experiments.
2		1	1	1	1								7	Be able to measure resistances, voltages between two nodes and current through a branch using a multimeter.
2	1	1	1		2								8	Conduct transient analysis on circuit with a single time constant (capacitor or inductor and two or three resistors).

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.	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.