

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

ABET Outcomes											Rubric or	Example	Outcome #	EET 141 (4) - Outcomes Reviewed 2016
A	B	C	D	E	F	G	H	I	J	K	student %	problem		
													1	Able to convert numbers represented in binary, octal, decimal, and hexadecimal formats.
													2	Able to perform addition and subtraction on signed and unsigned binary numbers.
													3	Able to manipulate digital logic functions using truth table and Boolean algebra.
													4	Able to simplify digital logic functions using Boolean algebra.
		1											5	Able to simplify digital logic functions in the form of minterms and maxterms using Karnaugh map.
		2	2										6	Able to realize digital circuit using NAND or NOR gates only.
			2										7	Able to use MSI chips such as multiplexer, demultiplexer, encoder, decoder, and so on to design combinational circuit.
													8	Able to analyze the functions of SR, D, and JK latches and SR, D, JK, and T flip-flops.
													9	Able to perform timing analysis to SR, D, and JK latches and flip-flops.
		2	2		2								10	Able to design counters, shift registers using flip-flops.
													11	Understand the function of basic arithmetic circuits such as adders, subtractor, comparator, multipliers, etc.
										2			12	Effectively prepare written reports on laboratory experiments.

1=supporting contribution

2=significant contribution

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

Improvement Suggestions or Comments: