

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

ABET Outcomes											Rubric or	Example	Outcome #	EET 341 Electronic Shop Practices (2) - Outcomes Reviewed 2013	
A	B	C	D	E	F	G	H	I	J	K	student %	problem			
2			1		1			1						1	Identify and discuss different electronic package types.
2			1		1									2	Generate schematic and PCB layout.
2			1		1									3	"Quote"/order printed circuit boards.
2			1		1									4	Use shop tools and power equipment for chassis fabrication and metal finishing techniques.
1			1		1									5	Perform simple wire wrapping
2					2			1		1	2			6	Use conventional soldering irons, hot air soldering/re-work stations, and/or reflow ovens as appropriate. Know how to inspect for solder joint quality on SMT and through hole components.
2			1		1									7	Test different electronic devices.
2			1		1									8	Understand basic safety for electrical system and system fabrication.
	2				2		2	2	2	2				9	Describe the social and global implications of ROHS compliance and potential detrimental issues (costs, dendritic growth, etc)

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	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:	