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

ABET Outcomes											Rubric or	Example	Outcome #	EET 222 Electronics I (4) – Outcomes Revised 2016
A	B	C	D	E	F	G	H	I	J	K	student %	problem		
2	1	2	1	1	1					1			1	Demonstrate familiarity with the forward and reverse terminal characteristics of diodes.
2	1	2	1	1	1					1			2	Use graphical, simulation and mathematical analysis techniques to determine the operation point of circuits that include diodes and batteries.
2	1	2	1	1	1					1			3	Use analytical, simulation and mathematical analysis techniques to determine the output waveform produced by clipper, clamper and rectifier circuits.
2	1	2	1	1	1					1			4	Demonstrate familiarity with the terminal characteristics of bipolar junction transistors.
2	1	2	1	1	1					1			5	Use a curve-tracer to display device characteristics for BJTs and FETs.
2	1	2	1	1	1					1			6	Use analytical and graphical techniques to determine the operating point of a BJT and FET bias circuit.
2	1	2	1	1	1					1			7	Use simulation and measurement techniques to determine the operation point of the four resistor BJT and FET bias circuits.
2	1	2	1	1	1					1			8	Determine BJT and FET amplifier characteristics (input impedance, output impedance, voltage gain and current gain) from a small-signal model.
2	1	2	1	1	1					1			9	Use simulation and measurement techniques to determine the midband voltage gain of BJT and FET amplifiers.
							2						10	A recognition of the need for, and an ability to engage in lifelong learning.
										2			11	Evaluate effects of the distribution of component values on system performance.

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.	context; and
k.	a commitment to quality, timeliness, and continuous improvement.