

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

ABET Outcomes											Rubric or student %	Example problem	Outcome #	EE 473 Electrical Power Systems Analysis and Design (3) - Outcomes Revised 2013
A	B	C	D	E	F	G	H	I	J	K				
2	2			2									1	Understand three phase power and the application of phasors to power circuit analysis.
2				1						2			2	Understand and apply transmission line 2-port network models to power flow designs.
2	2									2			3	Perform computations on power flow in multi-bus networks.
2		1		1	1		1			1			4	Perform computations related to economy of power delivery and economic dispatch.
1				1			1						5	Understand mechanisms of fault recovery in power networks due to transient open-circuit and short-circuit fault conditions.

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 apply knowledge of mathematics, science, and engineering
	b. an ability to design and conduct experiments, as well as to analyze and interpret data
	c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
	d. an ability to function on multi-disciplinary teams
	e. an ability to identify, formulate, and solve engineering problems
	f. an understanding of professional and ethical responsibility
	g. an ability to communicate effectively
	h. the broad education necessary to understand the impact of engineering solution in a global, economic, environmental, and societal context
	i. a recognition of the need for, and an ability to engage in life-long learning
	j. a knowledge of contemporary issues
	k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

Improvement Suggestions or Comments: