

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

ABET Outcomes											Rubric or student %	Example problem	Outcome #	EE 341 Signals and Systems (3) – Outcomes Reviewed 2013
A	B	C	D	E	F	G	H	I	J	K				
				2				1					1	Understand and interpret the general properties of continuous-time signals and systems to express the strength of both non-periodic and periodic signals. The students will be able to clearly contrast continuous and analog signals as well as clearly contrast discrete and digital signals.
				2				2					2	Analyze the behavior of continuous - Linear Time-Invariant (LTI) systems
				2						1			3	Represent periodic signals as Fourier series.
				2				1		1			4	Express an aperiodic signal by its Fourier Transform along with its Engineering applications. Also learn the Discrete Fourier Transformation
				1				1		1			5	Demonstrate state variable modeling of continuous-time systems
				2				1		1			6	Understand and interpret the general properties of Discrete time signals and systems
				1				1		1			7	Analyze the response of discrete-time LTI systems
				1				2		1			8	Demonstrate the state variable modeling of Discrete-time systems
				2				1		1			9	Apply Z-transform for discrete LTI systems
													10	Understand Fourier transform for discrete-time signals.

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,
	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
	i. a recognition of the need for, and an ability to engage in life-long learning
	j. a knowledge of contemporary issues
Improvement Suggestions or Comments:	
k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	