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

ABET Outcomes											Rubric or	Example		Used for A, E, I, K
A	B	C	D	E	F	G	H	I	J	K	student %	problem	Outcome #	**EE 231 Circuit Analysis II (3) – Outcomes – Reviewed 2013**
2	1	1		2	1	1	1	2	1	2		A1, K1	1	Analyze RLC circuits in their transient and steady-state mode.
2	2	1		2	1	1	1	2	1	2		E1	2	Determine the sinusoidal steady state response (voltage, current, power) for AC circuits
2	2	1		2	1	1	1	2	1	2			3	Understand phasor diagram and its use for circuit analysis
2	1	1	1	2	1	1	1	2	1	2			4	Know the procedure to calculate instantaneous, average, and reactive of circuit
2	1	1		1	1	1	1	2	1	2			5	Analysis of balanced three phase circuits in Y-Y, and Y-delta circuits
2	1	1		1	1	1	1	2	1	2			6	Analyze magnetically coupled circuits.
2	1	1		1	1	1	1	2	1	2		A2, K2	7	Determine the frequency response of linear circuits.
2	1	1		1	1	1	1	2	1	1			8	Understand the Laplace transforms and its importance in circuit analysis
2	1	1		1	1	1	1	2	1	1			9	Analysis of circuit and s-domain and derivation of transfer function of a circuit
2	2	1	1	1	1	1	1	2	1	1			10	Know filter circuits and its analysis, and design of active filters and their simulation with SPICE
2	1	1	1	1	1	1	1	2	1	1		I1	11	Understand the Fourier series, and its properties
2	1	1	1	1	1	1	1	2	1	1			12	Analyze circuits using Fourier series and transform.
2	1	1	1	1	1	1	1	2	1	1		I2	13	Understand the concepts, mathematical representations and differences between Laplace and Fourier Transform
2	1	1	1	1	1	1	1	2	1	1		E2	14	Able to understand and analyze two port circuits, and calculate the two port parameters

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 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
k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice