COURSE OUTCOME MATRIX
COURSE SYLLABUS
PART 2 of 3

Course Number and Title	EG 123 Electrical Schematics

Credit Hours	3

Course Description	Introduction to electrical and electronic schematics, and other diagrammatic drawing using standard symbols, notations and other standard practices related to electrical and electronic industries.

Prerequisite(s) and/or Corequisite(s)	N/A

Required Textbooks/References/Course Materials:

Print Reading for Architecture and Construction Technology	3rd	David A. Madson, Alan Jefferis, David P. Madson, Tereasa Jefferis	Delmar Cengage Learning	1133127277 or 1133127274

	General Education Outcomes
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

	Program/Department Outcomes
1	Prepare students to become safe and competent electrical technicians
2	Provide opportunities to display critical thinking skills
3	Demonstrate responsible professional conduct and behavior.
4	Effectively communicate.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/ Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Explain the importance and purpose of Blueprints, types of Blueprints,	C-Evaluating (5)	2,3,4	1	1	1	2	1	0
2	Analyze detail drawings, assembly drawings, orthographic projections, auxiliary views, pictorial drawings, architectural drawings	C-Analyzing (4)	2,3,4	1	1	1	2	1	0
3	Analyze machine parts, machine drawings, sheet metal drawings, building drawings, hydraulic and pneumatic drawings.	C-Analyzing (4)	2,3,4	1	1	1	2	1	0
4	Analyze electrical drawings, symbols, circuit diagrams, HVAC drawing	C-Analyzing (4)	2,3,4	1	1	1	2	1	0
5									
6									
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8									
9									
10									

Bloom's Domain Legend
C = Cognitive
A = Affective
P = Psychomotor

General Education Outcome Legend
2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable
0 = Not included

Approved: May 2021
Reviewed: November 11, 2021