

COURSE OUTCOME MATRIX COURSE SYLLABUS PART 2 of 3

Course Number and Title	EG 105 Industrial Safety
-------------------------	--------------------------

Credit Hours	1
--------------	---

Course Description	This course is designed as an introduction to general safe workplace practices. Topics include ergonomics, lifting, handling tools and operating machines, safety apparel, and warning signs/symbols.
--------------------	---

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

Required Textbooks/References/Course Materials:

Electrical Safety	1st	Rob Zachariason	Cengage Learning	1435481852
-------------------	-----	-----------------	------------------	------------

	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.
5	
6	
7	
8	
9	
10	

	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	Demonstrate the understanding of workplace safety, potential hazards, and hazardous working environments.	C-Applying-3	1, 2, 3, 4	1	1	1	2	1	0
2	Describe various organizations and standards which are intended to help protect the worker, the hazards involved and an understanding of safety requirements.	C-Remembering (1)	1, 2, 4	1	1	1	2	1	0
3	Describe the results and severity of electrical shock, appropriate first aid procedures, determination of disconnection of a circuit or working requirements when energized.	C-Remembering (1)	1, 2,3,4	1	1	1	2	1	0
4	Describe the dangers of arcing incidents, the destructive power, property damage, severity of bodily injuries, or death.	C-Remembering (1)	1, 2, 3, 4	1	1	1	2	1	0
5	Describe the wearing of personal protective equipment, use of safety signs, barricades, approach boundaries.	C-Remembering (1)	1, 2, 3, 4	1	1	1	2	1	0
6	Describe the need of lockout-tagout procedures; describe the steps and process for logout-tagout devices.	C-Remembering (1)	1, 2, 3, 4	1	1	1	2	1	0
7	Describe the dangers associated with the various tools and equipment used on a construction site; safety precautions necessary when using hand tools and power tools, step and extension ladders, aerial lifts, and construction machinery.	C-Remembering (1)	1, 2, 3, 4	1	1	1	2	1	0
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