

Engineering Program

Specialization	Electrical Installations and Equipment
Course Number	020303141
Course Title	Drawing and reading of electrical schemes
Credit Hours	2
Theoretical Hours	0
Practical Hours	6

Brief Course Description:

- ❖ Automated electrical engineering drawing using computer graphic packages. Electrical block and wiring diagrams symbols of basic elements of electrical and electronic circuits, devices and machines. Block diagram of electrical & electronic systems. Schemes reading.

Course Objectives:

The student should be able to;

1. Draw electric and electronic systems.
2. Read electrical blocks and wiring diagrams.

□ Detailed Course Description:

Unit Number	Unit name	Unit Content	Time Needed
1.	Introduction	Importance of electrical drawing and blue prints.	
2.	Electrical symbols	symbols of basic elements of electrical and electronic circuits, devices and machines	
3	Electrical blocks and wiring diagrams	Block diagram of electrical & electronic systems. Schemes reading.	
4	Automated electrical engineering drawing using computer graphic packages	Computer graphic packages	

Evaluation Strategies:

		Percentage	Date
1. Exams	Midterm Exam	40%	--/--/----
	Assignments	10%	
	Final Exam	50%	--/--/----

Teaching Methodology:

1. Lecture

Textbook:

Electrician's Book how to Read Electrical Drawings

References: