

Faculty of Engineering & Technology
Electrical Installations and Construction Equipment

Information :

Course Code : EPR 344 **Level :** Undergraduate **Course Hours :** 2.00- Hours

Department : Department of Structural Engineering & Construction Management

Instructor Information :

Title	Name	Office hours
Lecturer	Khaled Abdel Aty Mohamed Salah Eldin	1
Lecturer	Mohamed Rizk Mohamed Elsayed Hamouda	
Teaching Assistant	Ahmed Shawky Youssef Mohamed El Dkak	
Teaching Assistant	Abeer Tharwat Said Awad	2

Area Of Study :

- Understand the electric power system components
- Analyze the electric circuits.
- Understand the illuminations schemes.
- Analyze electrical Installations.
- Design of electrical projects

Description :

Electrical installations: introduction to electric circuits, electrical installations in residential and industrial buildings (lighting, power, telephone, TV, air conditioning, lifts), Acoustic precautions, Alarm systems (Fire, Security, Gas), Electrical design for signaling systems in roads and railways, Electrical print reading.
Construction equipments: assessment and selection of construction equipment, earth moving equipment, equipment of concrete production and handling, Steel installations equipment.

Course outcomes :

a. Knowledge and Understanding: :

- 1 - Define basic concepts of electric circuits

b. Intellectual Skills: :

- 1 - Ability to design electrical projects
- 2 - Ability to analyze electrical Installations..
- 3 - Ability to know electric power systems components.
- 4 - Ability to do analysis of electric circuits.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction	2	1	0

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Electric power systems	4	2	2
Electric circuits	4	2	2
Electrical Installations	10	5	5
project	4	2	2

Teaching And Learning Methodologies :

Lectures

Tutorials

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st mid term	15.00	5	
2nd mid term	15.00	11	
final exam	40.00	15	
quiz	10.00	3	

Course Notes :

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Recommended books :

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Periodicals :

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Web Sites :

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