

SEMESTER <i>Sixth</i>	DEPARTMENT <i>Power Engineering</i>	COURSE TITLE <i>Electrical Workshop II</i>
COURSE CODE <i>EP609</i>	HOURS: 3 UNITS: 1	COURSE SPECIFICATIONS <i>Practical Content</i>

1. To Get Familiar with Safety Measures for Working on Medium and High Voltage Lines

- Get familiar with safe distances to be considered for working under different levels of live voltages.
- Get familiar with safety measures to be considered for working on live and dead MV & HV lines.
- Get familiar with safety measuring and testing MV & HV instruments.
- Be familiar with isolating measures and isolating features used for working on MV & HV lines.

2. To Exercise Installing Over-Head Lines.

- Exercise types of wire joints.
- Be familiar with different types of insulators and their fixing.
- Exercise poles and towers climbing.
- Exercise installing over-head line.

3. To Exercise Cable Installation.

- Be familiar with different types of cables and their construction.
- Be familiar with different types of cable joints.
- Exercise different types of cable jointing.
- Exercise cable testing for different types of faults and determining faults location.
- Be familiar with principles of cables bedding.

References:

1. *Rules for Safety Measurements*, Handbook of GEC – Libya.
2. *Rules for Installing MV Over-head Line*, Catalogues of GEC-Libya. Prepared by Eng.Z.T. Jawad .
3. *Rules for Installing MV Under-ground Cables*, Catalogues of GEC-Libya. Prepared by

Group of Engineers.