

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>
<p>1. To Get Familiar with Safety Measures for Working on Medium and High Voltage Lines</p> <ul style="list-style-type: none"> ➤ 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. 		
<p>2. To Exercise Installing Over-Head Lines.</p> <ul style="list-style-type: none"> ➤ 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. 		
<p>3. To Exercise Cable Installation.</p> <ul style="list-style-type: none"> ➤ 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. 		
<p>References:</p> <ol style="list-style-type: none"> 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.