



UNIVERSITI KUALA LUMPUR
MALAYSIAN SPANISH INSTITUTE

(The contents and other related details in this form is used for publication purpose only. Training module will be given to participants upon registration)

Course Title: ELECTRIC CONTROL, PUMP & COMPRESSOR SYSTEM		Course Code : EEA 134
<u>Course Background/Summary :</u>		
<p>After completing the course, participants should be able to demonstrate and describe thoroughly of pump and compressors. Identify component by names, operation and maintenance. This training program will train the participants in basic electrical theory and print reading for AC/DC and solid state devices as well as making electrical connections.</p>		
<u>Course Objectives:</u>		
<ul style="list-style-type: none"> • Define the structure and components which make up the hydraulic energy supply, installation and describe the functions and characteristics of the components. • Define the structure and components which make up the pneumatic energy supply, installation and describe the function and characteristics of the components of which they are made up. • Explain characteristic parameters of AC three-phase induction motors and its operations. • Establish functional and application differences for 3 phase motor starters. 		
<u>Target Audience:</u>		
<ul style="list-style-type: none"> • Maintenance and facilities personnel, trainers, coaches, HR and training personnel etc. 		
Course Duration:	Min:3 days, Max:5 days	
Course Contents :		
No	TOPICS	
1	Introduction to Hydraulic Pump	
2	Hydraulic Pump Fundamental	
3	Design and Application	
4	Basic of Pneumatic System	

UniKL MSI can also customize existing short courses and develop new courses to meet your personal training needs and requirements. The course duration serves as a guideline for your reference.

Please forward enquiries to Centre for Advancement & Continuing Education (ACE), University Kuala Lumpur (Malaysian Spanish Institute), Kulim Hi-Tech Park, 09000 Kulim, Kedah or via fax to:04-4032539 or email to syazrah@unikl.edu.my or call 04-4035199 / 200 (ext:112 / 185)



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5	Production of compressed air
6	Distribution of compressed air
7	Basic motor control -Design
8	Fundamental of 3-phase induction motor
9	3-phase motor connection
10	Techniques of motor starting
11	Direct on line (DOL) starts -installation and troubleshooting
12	Star-Delta start -installation and troubleshooting
COURSE STRUCTURE:	
Practical :	40 %
Theory :	60 %

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