



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: DIAGNOSTICS ON AC ELECTRIC MOTORS		Course Code : EEA 139
<u>Course Background/Summary :</u> The course offers the total solution for AC motor control needs. Participants will obtain knowledge on construction of AC motors, the control pilot device used, the proper techniques to troubleshoot the motor failure. They will also will be trained to perform wiring and testing motor control circuit. The contents include the description about the single and three phase AC motors and the method to control speed of the motor will be explained.		
<u>Course Objectives:</u> <ul style="list-style-type: none">• Describe the construction of single and three phase AC Motors.• Test wiring circuits and troubleshooting• Master the techniques in controlling the directions and speed of an AC motor		
Target Audience: Electricians, Technicians, Engineers, Instructors		
Course Duration :	Min:3 days, Max:5 days	
Course Contents :		
No	TOPICS	
1	<u>THEORY SUBJECTS:</u> <ul style="list-style-type: none">• Introduction to electric motors• Control Pilot Devices• Basic Troubleshooting Principles• Troubleshooting Control Circuits• Three Phase and Single Phase AC Motors• Variable Speed Drive/AC Drive• Motor Failure• Motors Overload Protection	

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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2	<p><u>PRACTICAL TASKS:</u></p> <ul style="list-style-type: none"> • Control Circuit: Construction and Troubleshooting • Diagnosis Contactors • Assemble and disassemble AC motors • D.O.L for three phase and single phase motors • Autotransformers starting method • Manual and Automated STAR-DELTA starting • Reversing AC Motors • Speed Control for AC Motors 	
COURSE STRUCTURE:		
Practical :		60 %
Theory :		40 %

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