



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: MOTOR CONTROLLER FOR MACHINE MAINTENANCE		Course Code : EEA 128
<u>Course Background/Summary :</u> Professionals involved in manufacturing, assembly and maintenance. Machinist, trainer and instructor who wish to widen their knowledge of electricity on machine tools.		
<u>Course Objectives:</u> At the end of this training, the participants will be able to/have: <ul style="list-style-type: none">▪ Differentiate electrical magnitudes and measure on an electrical circuit.▪ Differentiate control, regulation and protection components.▪ Assemble electrical circuits from a given diagram.▪ Perform power and control circuits on electrical automatons with asynchronous three-phase and dc motors.▪ Interpret the electric diagram of a machine tools.▪ Perform trouble shooting on machine tools		
Target Audience: <ul style="list-style-type: none">▪ Professionals involved in manufacturing, assembly and maintenance and vocational training centre		
Course Duration :	Min:3 days, Max:5 days	
Course Contents :		
No	TOPICS	
1	Basic electricity	
2	Electric components for signal input	
3	Signaling elements	



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4	Electric components for signal processing
5	Electrical protection elements
6	Synchronous motors
7	Direct current motors
8	Intro to machine tools system and operation, fault finding techniques etc
9	Maintenance of electric systems of machine tools
COURSE STRUCTURE:	
Practical :	80 %
Theory :	20 %

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)