



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:		Course Code	EEA 115
ASSEMBLY & MAINTENANCE OF ELECTRICAL SYSTEMS OF MACHINE TOOLS			
Course Background/Summary:			
Professionals involved in manufacturing, assembly and maintenance also for machinists, trainers and instructors who wish to widen their knowledge of electricity on machine tools.			
Course Objectives:			
<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 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 centers 			
Course Duration	:	Min:3 days, Max:5 days	
Course Contents	:		
No	TOPICS		
1	Basic electricity		
2	Electric components of signal input		
3	Signaling elements		
4	Electrical components for signal processing		
5	Electrical protection elements		
6	Asynchronous motors		

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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7	Direct current motors
8	Intro to the machine tools system and operation, fault finding techniques etc.
9	Maintenance of electrical systems of machine tools
COURSE STRUCTURE:	
Practical :	60%
Theory :	40%

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