



(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: ELECTRO HYDRAULIC SYSTEMS		Course Code :	EEA 105 (ii)
Course Background/Summary : This course focuses on designing the fundamental of electric circuit control which will be adapted to the electro-hydraulic controls; whereby the applications on the SMC training kits will expose the participants towards understanding how electro- hydraulic functions. Participants will learn the elements of troubleshooting/fault finding.			
Course Objectives: <ul style="list-style-type: none">• Define the fundamentals of electro-hydraulic components in term of components characteristics.• Design the electrical control circuit and adapt the control circuit (including hardware and PLC control) to the electro-hydraulic circuit.• Design and fault finding of electro-hydraulic circuit.			
Target Audience: <ul style="list-style-type: none">• Industrial operators• Technicians and engineers responsible for the operation, maintenance, troubleshooting and repair of hydraulic operated machinery• Teaching staffs/ instructors			
Course Duration :		Min:3 days, Max:5 days	
Course Contents :			
No	TOPICS		
1	Introduction and advantages of Electro Hydraulic System		
2	Fundamental in Control Circuit (Hardware and PLC control)		
3	Electro hydraulic circuit : Control System Development <ul style="list-style-type: none">- Design & assembly		
4	Electro hydraulic applications		

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	Electro hydraulic in simulation
6	Application of hydraulic systems
COURSE STRUCTURE:	
Practical :	80%
Theory / Lab Works :	20%

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