



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: DISCOVERY & DIAGNOSTICS ON ELECTRICAL & ELECTRONICS		Course Code : EEA 140
<u>Course Background/Summary :</u>		
The concepts of electrical & electronics are mysterious. In this course, participants will be guided to discover the mysterious world of electrical & electronics. The complexity of electric circuits will be simplified, the electrical energy that flow in electrical devices will expose and electrical & electronics theory as tomorrow's solutions will be innovated.		
<u>Course Objectives:</u>		
<ul style="list-style-type: none"> • Recognize interrelationship between electrical & electronics and other field • Define voltage, current and power. • Measure and troubleshooting using appropriate tools. • Design and fabricate the electrical and electronics circuit. 		
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"> • Circuits, Currents, and Voltages • DC Voltage • AC Voltage • Resistive Circuit • Inductance and Capacitance • Power and Energy • Logic Circuits • Operational Amplifiers • Diode, Power Transistors 	

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"> • Measurement Techniques • Resistor Color Code • Soldering Skills • Practical on Oscilloscope • Fabricate and diagnose basic power supply • Design and simulate digital circuit 	
COURSE STRUCTURE:		
Practical :		60 %
Theory :		40 %

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