



(The contents and other related details in this form is used for publication purpose only. Training module will be given to participants upon registration)

<b>Course Title: PNEUMATIC SYSTEMS</b>		<b>Course Code</b> :	<b>EEA 104 (i)</b>
<b>Course Background/Summary:</b> Participants will be able to define the physical magnitude used in pneumatic systems and explain the major components for pneumatic from supply to work post. This course is purposely designed and focuses on identification and interpretation of pneumatic systems in term of design and practical, troubleshoot the malfunction systems and analyze the operation of pneumatic systems.			
<b>Course Objectives:</b> <ul style="list-style-type: none"><li>• Develop a strong fundamental knowledge of the basic principles of pneumatics, and to introduce concepts useful in the day-to-day application and troubleshooting of pneumatic components</li><li>• Identify the construction and function of the components in pneumatic control systems</li><li>• Design, sizing and troubleshoot pneumatic circuits</li><li>• Identify and use of control schematics</li></ul>			
<b>Target Audience:</b> <ul style="list-style-type: none"><li>• Industrial operators</li><li>• Technicians and engineers responsible for the operation, maintenance, troubleshooting and repair of pneumatic operated machinery</li><li>• Teaching staffs/Instructors</li></ul>			
<b>Course Duration</b> :		<b>Min:3 days, Max:5 days</b>	
<b>Course Contents</b> :			
No	TOPICS		
1	Introduction and Fundamental of Pneumatic System		
2	Production of Compressed Air <ul style="list-style-type: none"><li>• Distribution and Maintenance unit</li></ul>		
3	Valve <ul style="list-style-type: none"><li>• Directional Control, Flow Control &amp; Non-return</li></ul>		
4	Pneumatic Actuator		

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](mailto:syazrah@unikl.edu.my) or call 04-4035199 / 200 (ext:112 / 185)



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5	Pneumatic Circuit : Control System Development <ul style="list-style-type: none"><li>• Design &amp; assembly pneumatic circuit</li></ul>
6	Application of Pneumatic Systems
<b>COURSE STRUCTURE:</b>	
Practical :	70%
Theory / Lab Works :	30%

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