



**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)

<b>Course Title: PROCESS CONTROL SYSTEM</b>		<b>Course Code : EEA 112</b>
<b>Course Background/Summary :</b> <p>This course focuses towards practical approach, beginning with open loop and close loop system. Participants will be exposed to several tuning methods and experience PID tuning for several systems such as (speed motor control, position control, temperature control, level control, and flow control). Several sensors related to the system and techniques to calibrate the sensors also will be covered. Depending on the participants' performance/achievement Digital control (using a PLC or Micro P/Micro C to control the system) can be offered as an added-value for this course.</p>		
<b>Course Objectives:</b> <ul style="list-style-type: none"><li>• To introduce the participants to the basic and intermediate process control system which covers theory and practical hands on.</li></ul>		
<b>Target Audience:</b> <ul style="list-style-type: none"><li>• Technicians</li><li>• Engineers</li><li>• Research students, Lecturers and Technical Training Officers</li></ul>		
<b>Course Duration :</b>	<b>Min:3 days, Max:5 days</b>	
<b>Course Contents :</b>		
<b>No</b>	<b>TOPICS</b>	
1.	Introduction to sensors and measuring devices	
2.	Control System (open Loop and close Loop)	
3.	PID	
4.	Tuning Method	

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.	Speed Control System
6.	Position Control System
7.	Temperature Control System
8.	Level Control System
9.	Flow control System
10.	Digital Process Control System
<b>COURSE STRUCTURE:</b>	
Practical :	70%
Theory / Lab Works :	30%

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