



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: PIPING SYSTEM & PUMP SELECTION		Course Code : MEC 111
Course Background/Summary : This course consists of two contents which is piping systems and pump selection. Piping systems will cover piping network in an industrial facility and pump selection will cover pumping power requirements for real-world piping systems.		
Course Objectives: <ul style="list-style-type: none">• Understand the velocity profile in a pipe.• Identify laminar and turbulent flow in pipe.• Determine the major and minor losses associated with pipe flow in piping systems.• Analyze pumping power requirements and pump selection.		
Target Audience: Industrial facility and maintenance staffs.		
Course Duration :	Min:3 days, Max:5 days	
Course Contents :		
No	TOPICS	
1.	Introduction to fluid mechanics	
2.	Bernoulli and Mechanical Energy	
3.	Internal flow	
4.	Major and minor losses	
5.	Pipeline systems	
6.	Introduction to pump	
7.	Pump selection application	
COURSE STRUCTURE:		
Practical :	40%	
Theory :	60%	

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 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)