



(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: HYDRAULIC SYSTEMS | | Course Code : | EEA 105 (i) |
|---|--|-------------------------------|--------------------|
| Course Background/Summary : Participants will be able to define the physical magnitude used hydraulic systems and explain all major components for hydraulic from supply to work post. This course is purposely designed and focuses on identification and interpretation of hydraulic systems in term of design and practical, troubleshooting system and analyze the operations of a hydraulic system. | | | |
| Course Objectives: <ul style="list-style-type: none">• Develop a strong fundamental knowledge of basic principles of hydraulics and understanding useful concepts in the day-to-day application and troubleshooting of hydraulic components• Identify the construction and functions of the components in hydraulic control systems• Design, sizing and troubleshoot hydraulic circuits• Identify and use of control schematics | | | |
| 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 Fundamental of Hydraulic System | | |
| 2 | Tank, piping & Coupling | | |
| 3 | Hydraulic Pump and Distribution Valve | | |
| 4 | Hydraulic 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 or call 04-4035199 / 200 (ext:112 / 185)



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|--------------------------|---|
| 5 | Hydraulic Circuit: Control System Development - Design & assembly |
| 6 | Application of Hydraulic Systems |
| COURSE STRUCTURE: | |
| Practical : | 70% |
| Theory / Lab Works : | 30% |

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