



**UNIVERSITI KUALA LUMPUR  
MALAYSIA FRANCE INSTITUTE**

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**SHORT COURSE SCHEDULE 2014**

CODE	COURSE TITLE	DAYS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>ELECTRICAL AND ELECTRONICS</b>														
EA1	Basic Electronics for Manufacturing Environment	2		4 - 5		1 - 2		4 - 5					6 - 7	
EA2	Motor Starters and Equipment	3			5 - 7			4 - 6			11 - 12	13 - 14		2 - 4
EA8	Electricity for Mechanical Personnel 1	3		3 - 5			5 - 8			19 - 21		1 - 3		
EA9	Electricity for Mechanical Personnel 2	2				7 - 8				21 - 22		8 - 9		4 - 5
EA15	Inspection and Testing of Electrical Portable Appliance (PAT TESTER)	3		17 - 19			6 - 8				24 - 26		12 - 14	
<b>INDUSTRIAL AUTOMATION AND ROBOTICS</b>														
EA3	Troubleshooting in Industrial Automation	3		12 - 14				4 - 6				1 - 3		
EA4	Sensors and Industrial Process Control, Selection and Sizing	2			10 - 11			11 - 12					19 - 20	
EA5	Programmable Logic Controller 1	2		4 - 5			6 - 7				8 - 9			1 - 2
EA6	Programmable Logic Controller – Intermediate	2		5 - 6			14 - 15				10 - 11			3 - 5
EA7	Programmable Logic Controller – Advanced	3				7 - 9				20 - 22		14 - 16		
EA10	Industrial Automation for Workers in the Manufacturing Industry	5			11 - 15					25 - 29			10 - 14	
EA11	Introduction to Industrial Robotic	3			10 - 14		14 - 16				17 - 19			2 - 4
EA12	PLC Networking (Ethernet & Controller Link)	2				14 - 15				19 - 20		8 - 9		
EA13	Human Machine Interface (HMI) and SCADA Application	3			17 - 19			11 - 13				20 - 22		
EA14	Micro-Controller 8051 - Interface and Application	3		4 - 6			21 - 23				24 - 26			
<b>TECHNOLOGY MANAGEMENT</b>														
MG1	Maintenance Management Part 1	2			5 - 6			4 - 5			22 - 23			17 - 18
MG2	Maintenance Management Part 2	2				2 - 3				21 - 22			6 - 7	
MG3	Total Productive Maintenance Part 1	2			10 - 11			11 - 12			23 - 24			4 - 5
MG4	Total Productive Maintenance Part 2	2				9 - 10				26 - 27		8 - 9		
MG5	Understanding TQM	2				16 - 17				27 - 28			19 - 20	
MG6	Managing TQM	2					22 - 23				24 - 25			18 - 19
MG7	Introduction to Predictive Maintenance Using Vibration Analysis	2		18 - 19				12 - 13					18 - 19	
MG8	Supervisory Skills	5			10 - 14					18 - 22			17 - 21	
MG9	Project Management - Principles, Concept & Applications	5			17 - 21					25 - 29				15 - 19
MG10	Maintenance Management Part 3	2					19 - 20				17 - 18			17 - 18
<b>MECHANICAL &amp; MANUFACTURING (Pneumatics and Hydraulics / Mechanical Workshop Practice / Engineering Design)</b>														
PH1	Pneumatics	3		3 - 5			7 - 9					14 - 16		
PH2	Electro-Pneumatics	3				16 - 18				27 - 29			19 - 21	
PH3	Advanced Electro-Pneumatics	3					6 - 8				9 - 11			3 - 5
PH4	Hydraulics	3			5 - 7		21 - 23			26 - 28		1 - 3		
PH5	Electro - Hydraulics	2				17 - 18		5 - 6			11 - 12		17 - 18	
PH6	Basic Proportional Hydraulics	2			10 - 11			12 - 13				7 - 8		
MC5	Metrology Fundamentals	3		25 - 26		7 - 9				26 - 28		20 - 22		
MC6	Machine Tool Calibration	3			17 - 19			19 - 20				15 - 16		
MC7	Milling Operations	3				1 - 3				18 - 20		1 - 3		
MC8	Turning Operations	3				8 - 10				19 - 21		8 - 10		
MC9	Grinding Operations	3				16 - 18				27 - 29			3 - 5	
MC10	Machine Tool Servicing	3			26 - 28			18 - 20					12 - 14	
MC11	Technical Drawing	3		12 - 14			7 - 9				8 - 10		19 - 21	
MC12	Machining Operation (Turning, Milling and Grinding)	3				23 - 25				27 - 29				
MC14	CNC Programming and Machining - Intermediate	2			6 - 7		26 - 27			21 - 22		13 - 17		
MC15	CAD / Autodesk - Autocad	5			10 - 14			2 - 6			22 - 26		17 - 21	
MC16	CAD / Autodesk - Autocad (2D & 3D)	5		17 - 21		14 - 18				18 - 22		27 - 31		
MC17	CAD / Autodesk - Inventor	5				17 - 18		12 - 13			22 - 26			
MC18	CAM / Autodesk - Mastercam	5			12 - 14			16 - 20					25 - 27	
MC19	SolidWork Part Modelling - Fundamental	3			19 - 21			25 - 27		19 - 21	24 - 26			16 - 18
MC20	SolidWork Part Modelling - Intermediate	3				9 - 11				26 - 28		1 - 3		
MC21	CATIA Part Modelling	5				14 - 16							26 - 28	
MC22	CATIA V5 Fundamentals	5		3 - 7		7 - 11		9 - 13			8 - 12	13 - 17		
MC23	Instrument Calibration For Linear Measurement	3			5 - 7	16 - 18	20 - 22				17 - 19		18 - 20	
MC24	Measuring Tools And Gauges	2			12 - 13	22 - 23					23 - 24			16 - 17

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<b>HVAC &amp; REFRIGERATING</b>														
AC1	Air Conditioning Technology	2		19 - 20				4 - 5			18 - 19		6 - 7	
AC2	Air-Conditioning Maintenance	2			6 - 7		14 - 15			28 - 29	18 - 19			4 - 5
AC3	Cooling Load Estimation	3								20 - 22		1 - 3		
AC5	Testing, Adjusting and Balancing	3		18 - 20		2 - 4		24 - 26					18 - 20	
AC6	Acoustic and Vibration Material Selection	2		5 - 6			22 - 23				24 - 25			3 - 4
AC7	Piping and Ducting Design	3			12 - 14			11 - 13				8 - 10		
AC10	Variable Air Volume (VAV) System	2			10 - 11		19 - 20			4 - 5	22 - 23		24 - 25	
AC12	Air Conditioning System Design	3					20 - 22			27 - 29			12 - 14	
AC14	Energy Saving in Air - Conditioning	3			26 - 28			9 - 11			17 - 19			17 - 19
AC15	Air Conditioning System and Maintenance	5		3 - 7		7 - 11					8 - 12			
AC16	Air Conditioning Familiarization in Air Craft, Ship and Train	5		17 - 21		14 - 18						27 - 31		15 - 19
AC17	Variable Refrigerant Volume (VRV) and Thermal Energy Storage (TES)	5			10 - 14			23 - 27					24 - 28	
<b>AUTOMOTIVE</b>														
AMT1	Autotronics (Electricity & Electronics for Automotive)	3		18 - 20		2 - 4		3 - 5				1 - 3		
AMT2	SRS Airbag System	2			11 - 12		5 - 6			25 - 26	29 - 30			9 - 10
AMT3	Automotive Air-Conditioning Maintenance	3			19 - 21		7 - 9			20 - 22		7 - 9		3 - 5
AMT4	Automotive Workshop Safety	2		19 - 20		9 - 10		10 - 11			22 - 23		18 - 19	
AMT5	Engine Management & Control System	3				16 - 18				26 - 28		14 - 16		16 - 18
AMT6	Automatic Transmission	3			19 - 21			25 - 27				8 - 10		
AMT7	Suspension, Steering, Tyres and Wheels	3			12 - 14		21 - 23				23 - 25			15 - 17
AMT8	ABS Braking System	2		4 - 5		10 - 11				18 - 19		1 - 2		
AMT11	Body and Chassis Electrical System	3			12 - 14		7 - 9						19 - 21	
<b>FABRICATION &amp; JOINING (Metal Fabrication Technology)</b>														
MF1	Piping Drawing 1	5			10 - 14			9 - 13				13 - 17		
MF2	Piping Drawing 2	5			17 - 21			16 - 20				27 - 31		
MF3	CNC Turret Punching Level 1	5				21 - 25				18 - 23			10 - 14	
MF4	Interpretation of a Boilermaking Plan	5			24 - 28	14 - 18				25 - 29		27 - 31		
MF5	Boilermaking Development	5						23 - 27					17 - 21	
MF6	NCM Bending Press Operator	4				21 - 24				26 - 29		14 - 17		
MF8	Geometric Development (Plate & Sheet Software)	2			11 - 12			19 - 20			23 - 24			3 - 4
MF9	Basic Blueprint Reading (Fabrication & Welding)	3			10 - 12			25 - 27			17 - 19		19 - 21	
MF10	Introduction to Fabrication and Welding Supervisor	3				16 - 18	6 - 8			19 - 21		29 - 31		
MF11	Basic Steel Structure Joint & Welding Design	3			19 - 21		20 - 22				23 - 25		18 - 20	
MF12	Introduction to Fabrication / Application Engineering	3			26 - 28			4 - 6				13 - 15		
MF13	Introduction to Behaviour of Metals During Welding / Fabrication	3			17 - 21			16 - 20				20 - 22		
MF14	Blue Print Reading and Technical Drawing	3					5 - 7			26 - 28			3 - 5	
MF15	Basic Engineering Materials	2		19 - 20		9 - 10	14 - 15					20 - 21		17 - 18
<b>WELDING</b>														
WL16	Welding Metallurgy	2			5 - 6		8 - 9			19 - 20		7 - 8		
WL17	SMAW on Carbon Steel	4				15 - 18		3 - 6				13 - 16		
WL18	GMAW on Carbon Steel	4			10 - 13			9 - 12					17 - 20	
WL19	GMAW on Aluminium	4				8 - 11				19 - 22		7 - 10		
WL20	GTAW on Stainless Steel	4			18 - 21			16 - 19		26 - 29			18 - 21	
WL21	GTAW on Aluminium	4			25 - 28			24 - 27				7 - 10		
WL22	GTAW and SMAW on Carbon Steel	4					6 - 9					7 - 10		
WL23	Brazing and Braze Welding	4			4 - 7		20 - 23			25 - 28		28 - 31		
WL24	Inspection and Testing Welds	3			12 - 14	2 - 4		11 - 13		27 - 29			19 - 21	
WL25	Welding Project Management	2				17 - 18	6 - 7			21 - 22		9 - 10		
WL26	Macro and Micro Examination	2			5 - 6			18 - 20			18 - 19			10 - 11
WL27	Welding Procedure Specification	3			11 - 13		21 - 23			26 - 27		20 - 22		
WL28	SMAW on Stainless Steel	4			11 - 14		19 - 22			19 - 22		28 - 31		
WL29	GMAW on Stainless Steel	4				15 - 18		3 - 6				7 - 10		
WL30	GTAW and GMAW process on Carbon Steel	4			18 - 21		20 - 23			19 - 22			18 - 21	
WL31	Welding Process on Dissimilar Material (Carbon Steel to Stainless Steel)	4				22 - 25		10 - 13				7 - 10		
WL32	FCAW on Carbon Steel	4			3 - 6		6 - 9			26 - 29			11 - 14	
WL33	Introduction to Welding Repair	2			19 - 20		28 - 29			26 - 27	25 - 26		18 - 19	

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<b>TECHNICAL FOUNDATION</b>														
EL1	Public Speaking Course	3		3 - 5	5 - 7	1 - 3	6 - 8	4 - 6		27 - 29	17 - 19	1 - 3	3 - 5	2 - 4
EL2	Report Writing Course	3		17 - 19	12 - 14	9 - 11	7 - 9	11 - 13		20 - 22	10 - 12	8 - 10	11 - 13	3 - 5
EL6	Essential Master Of Ceremony (EMCEE) Skills for corporate personnel	2		10 - 11		3 - 4		3 - 4		26 - 27		2 - 3	6 - 7	29 - 30
EL7	Mastering Technical Report Writing Skills	3			17 - 19	8 - 10	21 - 23				9 - 11	9 - 10	10 - 12	9 - 11
EL8	Effective Mastery of Technical Presentation Skills for Corporate Personnel	2		24 - 25		10 - 11		11 - 12		27 - 28	17 - 18		18 - 19	17 - 18
EL 9	Quick Mastery of Minute of Meeting, Reporting Skills for corporate/administrative personnel	2			19 - 20	16 - 17	8 - 9	25 - 26				21 - 22	20 - 21	23 - 24

All information on courses is correct at time of printing. However, they are subjected to changes made by the management of UniKL MFI. Participants will be notified of changes, if any. Admission is by prior registration on a first come first serve basis. In case of limited places, the applicant will automatically be admitted to the next course on the schedule. Completed registration must be submitted at least two weeks before the training date. Payment shall be made by **CHEQUE** to

**MALAYSIA FRANCE INSTITUTE SB**

**REMARKS:**

1. Prices include Morning/Afternoon Tea Breaks and Lunch
2. Accommodation can be quoted on request

(For Information please do call our marketing team :- Ms Wan : 03 - 8913 2808, / Ms Aini / Mr Wildanul 03-8913 2809

*\*term and conditions applied.*

*\*\*date and time will be inform after registration.*