



**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: MOULD FABRICATION</b>	<b>Course Code</b> :	<b>MMF 116</b>
<b><u>Course Background/Summary :</u></b>  This program aims to educate on the principles and the fundamentals of the plastic injection moulding process. This training will allow participants to enhance their knowledge in mould fabrication. Upon completion, participants will be equipped with the correct techniques to fabricate moulds and injection process.		
<b><u>Course Objectives:</u></b> <ul style="list-style-type: none"><li>• How moulds are constructed; the elements and terminology used</li><li>• How mould design can influence product quality</li><li>• The fabrication of mould cooling; gate and runner design etc</li><li>• How to identify faults relating to mould design/manufacture</li><li>• How to produce parts and component for mould assembly.</li></ul>		
<b><u>Target Audience:</u></b> <ul style="list-style-type: none"><li>• Machines Operators &amp; Machines Suppliers</li><li>• Teaching staffs (including vocational &amp; technical teachers)</li><li>• Industrial workers</li></ul>		
<b>Course Duration</b> :	<b>Min:3 days, Max:5 days</b>	
<b>Course Contents</b> :		

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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No	TOPICS
1.	<b>Machining</b> <ul style="list-style-type: none"><li>• Terminology</li><li>• Machining and fabrication of mould parts and components</li><li>• Cavities and cores</li><li>• Inserts including a runner and gate, ejector systems, methods of locating and aligning each half, mould venting</li></ul>
2	<b>Assembly</b> <ul style="list-style-type: none"><li>• Assembly of various part</li><li>• Polishing the insert and trouble shooting</li><li>• Injection Molding principles</li><li>• Techniques of ejection mould</li><li>• Injection moulding operation</li></ul>
<b>COURSE STRUCTURE:</b>	
Practical :	60%
Theory / Lab Works :	40%

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