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: ADVANCED WIRECUT WITH MASTER CAM	Course Code	:	MMF 127

Course Background/Summary :

Mastercam for Wire Cut

Participants will learn the techniques of design 2D drawing using Master Cam, create toolpath, generate program, import and export file from other software and post the program to the Wire Cut Machine.
This course covers the features of Mastercam that are specific to design and programming for Wire Cut Machine.

Fanuc Wire Cut Machine

This course introduces the basic concepts and operations of metal machining processes in carrying out the workshop practices by selecting and applying the EDM wire cutting operations and procedures, including introduction to EDM, safety, functions of EDM wire cut machines, workpiece setup, measurement and machining job.

Course Objectives:

Mastercam for Wire Cut

- Create a drawing and design by using Mastercam
- Generate a program
- Post program to the machine

Fanuc Wire Cut Machine

- Understand about the principle of operation of EDM wire cut machines
- Understand the process capabilities of EDM wire cut
- Ability to operate the machine.

Target Audience:

- Machinist
- Toolmaker
- Tooling Instructor
- Teaching staffs (vocational & technical teachers), lecturers, etc.

Course Duration:	Min:3 days, Max:5 days
Course Contents:	

No	TOPICS
1	**Mastercam for Wire Cut** Introduction to Mastercam X5 Wire describes how to start Mastercam and provides a road map of the documentation

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.

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2	Wirepath Geometry discusses the geometry requirements for wirepaths, star, thread, cut points and wirepath chaining.
3	Wire machine and control definitions show components used in wire machine definitions, covers wire-specific pages in the control definition and provide an overview of machine group properties
4	Wirepaths provides an overview of each wire machining operation, parameter settings and dialog boxes.
5	Editing Wirepaths describes how to edit existing wirepaths through editing the operation parameters or using point-based editing with either the Change at Point dialogue box or the Edit Wirepath dialogue box.
6	**Mastercam for Wire Cut** Introduction to Wire-EDM
7	Description of control functions of Fanuc Wire Cut
8	Generator parameters and machining technology
9	Introduction to Command Language
10	Preparation of transfer the programs from Mastercam
11	Simulation of machine functions
12	Setting the workpiece in the machine
13	Cutting process

COURSE STRUCTURE:

Practical :	30%
Theory :	70%

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