

**Course Title: TOOL AND DIE DESIGN
TECHNOLOGY**

Course Code: MMF 109

Course Background / Summary:

This subject covers the introduction and understanding of the essential tool and die design and construction. At the end of this course, the students should design and construct an essential tool and die concept of manipulating all the different parameters and various considerations. It focuses mainly on the tool and die sheet metal cutting approach and understanding by distinguishing the other processes, machinery, materials, functional ability, tools, cost, and technology.

Course Objectives:

- Describe the basic shapes of the different tools used in dies (single, progressive, compound, fine cutting, deep drawing and folding dies, etc.).
- Die design for a simple product using proper design steps and prepare drawings of its assembly.

Target Audience:

- Technical person, instructor, technician, die designer, etc.

Course Duration: 3 Days

Course Contents

1.0 Introduction to Tool and Die Design

2.0 Tool and Die Components

3.0 Tool and Die Design Step and Calculation

4.0 Dimensioning of Cutting Tool in Tool and Die Design

5.0 Tool and Die Design Construction