

## **0402311 Metal Cutting Technology**

(3 Credit hours, Prerequisite 0402211 Advanced Engineering Workshops)

The course aims to introduce the student to the following topics: manufacturing processes, fundamentals of metal cutting, effect of speed, feed, rake angle, tool wear and vibration, metal cutting tools, geometry, and materials, cutting fluids . Economics of metal cutting. Mechanical Engineering / General Mechanics Page ( 18 ) Metal cutting operations, turning, milling, drilling, grinding, shaping, planning, honing and broaching. Introduction to metal working processes.