

0402312 Metal Forming Technology

(3 Credit hours, Prerequisite 0402260 Engineering Materials Science)

The course aims to teach the student the advanced manufacturing processes and expand his/her knowledge in this field. This include the following topics of: principle of metal forming, theories and processes of cold metal forming using different procedures with their applications, theories and processes of hot metal forming using different procedures and their applications, wire drawing, milling, extrusion, cutting, press cutting, manufacturing processes using metal powder technology, testing of product parts, non-classical methods for metal forming.