

Plasticity and Metal Forming

Course Code:

ME 468

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Strength of Materials [1]

Material Science for Mechanical Engineers [2]

Course Language:

English

Course Content:

The theory of plasticity and solutions of metal forming problems. Manufacturing of thin walled containers through cup drawing; ironing of complex shapes through forming, rolling and extrusion. Plastic instability, friction.