Manufacturing Processes Syllabus:

Introduction to manufacturing; Fundamental properties of materials including metals, polymers, ceramics and composites; Metal casting fundamentals and metal casting processes; Forming and shaping processes, such as rolling, forging, extrusion, drawing, sheet metal forming, powder metallurgy; Fundamentals of machining, machining processes, machine tool materials and advanced machining processes; Joining processes; Surface technology and tribology.

References:

Textbook (required)

Supplementary Textbooks: