Manufacture

ECTS
6 crédits

Hourly volume
64h

Introducing

Description

Objectives

The student will be able to:

Classify groups of manufacturing processes and understand the relationship between process and mechanical properties

Define the influencing parameter on cutting material
Optimize a machining operation in HSM

Define a Production Management Approach

Design parts by casting / forge / folding

Define the advantages and limitations of additive manufacturing processes
Design and produce plastic parts using an additive manufacturing process

Know the different ways to get rough part and their costs and performance
Define a range of rough part and design the necessary tools

Necessary prerequisites

CAM manufacturing technology
Tolerance Manufacturing analysis

Mechanical characteristics of materials
Resistance of materials: elasticity

Digital production chain: CAD, CAM, Post-processing, use of means of production, control

Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

Practical info

Location(s)

Toulouse