
Product engineering

Finalità

To give basic concept and tools for industrial product development.

Programma

Embodiment principles, Design for aggressive environments, Design for Standardization (VRP), Design for/to Cost, Design for Manufacturing, Design for Assembly and for Disassembly, Serial Design, Modular Design, Risk Analysis and Failure Prevention (FMEA, FTA), Machine Reliability, Maintenance, Product Evaluation (DOE, Rapid Prototyping, Taguchi Method, Reverse Engineering)

Attività d'esercitazione

100% of class lectures.

Modalità d'esame

final written exam.

Propedeuticità

Technical Drawing, Strength of Materials and Structural analysis, Mechanism Analysis, Production Methods, New product Development.