AEROSPACE ENGINEERING (LM52)

(Brindisi - Università degli Studi)

Insegnamento COMPUTER AIDED DESIGN FOR AEROSPACE

GenCod A005152

Insegnamento COMPUTER AIDED DESIGN FOR AEROSPACE

Insegnamento in inglese COMPUTER AIDED DESIGN FOR AEROSPACE

Settore disciplinare ING-IND/15

Corso di studi di riferimento AEROSPACE ENGINEERING

Tipo corso di studi Laurea Magistrale

Crediti 6.0

Ripartizione oraria Ore Attività frontale: 60

Per immatricolati nel 2018/2019

Erogato nel 2018/2019

Anno di corso 1

Lingua INGLESE

Percorso PERCORSO COMUNE

Docente Marta DE GIORGI

Sede Brindisi

Periodo Secondo Semestre

Tipo esame Orale

Valutazione Voto Finale

Orario dell'insegnamento https://easyroom.unisalento.it/Orario

PREREQUISITI

Sufficiency in geometry and linear algebra.

OBIETTIVI FORMATIVI

Overview
Computer aided design aims at developing engineering design skills with a particular focus on the proficient use of modern CAD-integrated analysis tools.

Learning Outcomes
After the course the student should be able to
* acquire detailed knowledge and understanding of the most recent advances in 3D computer aided design.

MODALITA' D'ESAME

The exam consists of two cascaded parts (maximum overall duration: three hours).
The first part is closed book (duration: one hour); the student is asked to illustrate some theoretical topics.
The second part, that starts when the student has completed the first part (duration: two hours), consists in modelling, using CATIA, a given mechanical/aeronautical component and outputting the

PROGRAMMA ESTESO

Introduction: CAD/CAM/CAE systems in the industrial product development cycle.
Geometric modeling methods and techniques.
The representation schemes of solid geometry: CSG, B-rep, finite elements, schemes by enumeration of occupied spaces .
CATIA V5: Introduction
CATIA V5: The sketching
CATIA V5: Part Design
CATIA V5: Assembly Design
CATIA V5: Generative Shape Design