AEROSPACE ENGINEERING (LM52)

(Brindisi - Università degli Studi)

Teaching METALLIC MATERIALS FOR AERONAUTICS

GenCod A003322

Owner professor Pasquale Daniele CAVALIERE

Reference professors for teaching Pasquale Daniele CAVALIERE, ANGELO PERRONE

Teaching in italian METALLIC MATERIALS FOR AERONAUTICS

Teaching METALLIC MATERIALS FOR AERONAUTICS

SSD code ING-IND/21

Reference course AEROSPACE ENGINEERING

Course type Laurea Magistrale

Credits 9.0

Teaching hours Front activity hours: 81.0

For enrolled in 2020/2021

Taught in 2021/2022

Course year 2

Language ENGLISH

Curriculum CURRICULUM AEROSPACE DESIGN

Location Brindisi

Semester Second Semester

Exam type Oral

Assessment Final grade

Course timetable https://easyroom.unisalento.it/Orario

BRIEF COURSE DESCRIPTION	-Materials fundamentals for aerospace applications -Alloys for Aeronautic Applications -Aluminium alloys for aeronautics applications -Titanium alloys for aeronautics applications -Ferrous alloys for aeronauitcs applications -Superalloys for aeronautics applications -Design alloy guide for aeronautics applications -Metal additive manufacturing for aerospace
REQUIREMENTS	Elements of physical and mechanical metallurgy
COURSE AIMS	The course is aimed to the knowledge of the main physical and mechanical properties of aeronautics metals and alloys as well as to their selection for the aeronautics pourposes
TEACHING METHODOLOGY	Lectures and goup works
ASSESSMENT TYPE	-Mid-course intermediate test, plus final test
REFERENCE TEXT BOOKS	The couse material will be provided by the chair during the course