

COURSE DETAIL

AEROSPACE DESIGN I

Country

Spain

Host Institution

Carlos III University of Madrid

Program(s)

Carlos III University of Madrid

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

115

UCEAP Course Suffix

E

UCEAP Official Title

AEROSPACE DESIGN I

UCEAP Transcript Title

AEROSPACE DESIGN I

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of aerospace design and manufacturing. Topics include: an introduction to production; automation of manufacturing processes; geometrical and dimensional specification; metrology; metal casting processes; forming and shaping processes; machining processes; non-traditional manufacturing processes; manufacturing cost estimation.

Prerequisites: Aerospace Materials I and II, Engineering Graphics, Thermal Engineering, Aerospace Structures

Language(s) of Instruction

English

Host Institution Course Number

15348

Host Institution Course Title

AEROSPACE DESIGN I

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería Aeroespacial

Host Institution Department

Departamento de Bioingeniería e Ingeniería Aeroespacial

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