Course guide
220308 - 220308 - (Ang) Sistemes de Propulsius d'Aeronaus

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 220 - ETSEIAT - Terrassa School of Industrial and Aeronautical Engineering.
Degree: MASTER'S DEGREE IN AERONAUTICAL ENGINEERING (Syllabus 2014). (Compulsory subject).
Academic year: 2022  ECTS Credits: 5.0  Languages: Catalan

LECTURER

Coordinating lecturer: Marc Maymó

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
CG04-MUEA. (ENG) Capacitat d'integrar sistemes aeroespacials complexos i equips de treball multidisciplinaris.
CE11. MUEA/MASE: An aptitude for designing, building and selecting the most appropriate power plants for aerospace vehicles, including aeroderivative power plants.
CE16. MUEA/MASE: Sufficient knowledge of air-breathing jet engines, gas turbines, rocket engines and turbomachines.
CE17. MUEA/MASE: The ability to carry out the mechanical design of a propulsion system's components.
CE18. MUEA/MASE: The ability to design, execute and analyse propulsion systems tests and carry out the systems' entire certification process.
CE19. MUEA/MASE: Sufficient knowledge of the subsystems of aerospace vehicles' propulsion power plants.

Basic:
CB06. Manage original concepts in research projects.
CB08. Generate decision from incomplete information assuming its social and ethical responsibilities.
CB10. Improve self-learning capacity

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

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<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>24.00</td>
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<tr>
<td>Hours small group</td>
<td>15,0</td>
<td>12.00</td>
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<tr>
<td>Self study</td>
<td>80,0</td>
<td>64.00</td>
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Total learning time: 125 h
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Full-or-part-time: 125h
Theory classes: 30h
Laboratory classes: 15h
Self study: 80h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

Complementary: