Last update: 19-04-2018

220302 - Production and Design Aerospace

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 712 - EM - Department of Mechanical Engineering
Academic year: 2018
Degree: MASTER'S DEGREE IN AERONAUTICAL ENGINEERING (Syllabus 2014). (Teaching unit Compulsory)
ECTS credits: 5 Teaching languages: Spanish

Teaching staff

Coordinator: Xavier Salueña

Others: Xavier Salueña - José Antonio Ortiz

Learning objectives of the subject

The main

Study load

Total learning time: 125h	Hours large group:	30h	24.00%
	Hours small group:	15h	12.00%
	Self study:	80h	64.00%

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Content

title english	Learning time: 24h Theory classes: 6h Laboratory classes: 2h Self study : 16h
Description: content english	

title english	Learning time: 18h Theory classes: 4h Laboratory classes: 4h Self study : 10h
Description: content english	

title english	Learning time: 68h Theory classes: 16h Laboratory classes: 8h Self study : 44h
Description: content english	

title english	Learning time: 15h Theory classes: 4h Laboratory classes: 1h Self study : 10h
Description: content english	

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Planning of activities

name english	Hours: 43h Theory classes: 18h Self study: 25h
name english	Hours: 35h Laboratory classes: 15h Self study: 20h
name english	Hours: 14h Theory classes: 2h Self study: 12h
name english	Hours: 16h Theory classes: 2h Self study: 14h
name english	Hours: 17h Theory classes: 8h Self study: 9h

Bibliography

Basic:

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Kalpakjian S.; Schmid, S. R. Manufactura, ingeniería y tecnología [on line]. 5ª ed. México [etc.]: Pearson Educación, 2008 [Consultation: 04/10/2018]. Available on: <http://www.ingebook.com/ib/NPcd/IB_BooksVis?cod_primaria=1000187&codigo_libro=5323>. ISBN 9789702610267.

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Osiander, R.; Garrison, M. A.; Champion, J. L. MEMS and microstructures in aerospace applications. Boca Raton: Taylor & Francis, 2006. ISBN 0824726375.

Complementary:

Ciurana, Q.; Fernández, A.; Monzón, M. Guía de tecnologías de rapid manufacturing. 2ª ed. rev. y ampl. Girona: Documenta Universitaria, 2008. ISBN 9788496742185.