240640 - Plans and 3D Printing

Coordinating unit: 240 - ETSEIB - Barcelona School of Industrial Engineering
Teaching unit: 712 - EM - Department of Mechanical Engineering
Academic year: 2017
Degree: BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGY ENGINEERING (Syllabus 2010). (Teaching unit Optional)
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2010). (Teaching unit Optional)
BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Teaching unit Optional)
ECTS credits: 4,5
Teaching languages: Catalan, Spanish

Teaching staff

Coordinator: Fenollosa Artes, Felip

Others: Fenollosa Artes, Felip
Buj Corral, Irene

Opening hours

Timetable: Tuesday from 13 to 14h

Degree competences to which the subject contributes

Specific:
CE5. Spatial vision capacity and knowledge on graphic representation techniques, both with traditional methods of metrical geometry and descriptive geometry, and by means of computer aided design applications.
CE15. Basic knowledge of industrial production systems.

CETI6. Knowledge applied to manufacturing systems and processes, metrology and quality control.

CETI1. Knowledge and capacities to calculate, design and test machines.

Generical:
CG8. PROJECT MANAGEMENT: Being able to present, execute and direct Industrial Engineering projects, by means of applying scientific and technologic knowledge, attitudes and procedures, once conditions have been identified or valued.

Transversal:
05 TEO. TEAMWORK. Being able to work as a team player, either as a member or as a leader. Contributing to projects pragmatically and responsibly, by reaching commitments in accordance to the resources that are available.
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one's knowledge and overcoming them through critical self appraisal. Choosing the best path for broadening one's knowledge.

Learning objectives of the subject
# 240640 - Plans and 3D Printing

## Study load

<table>
<thead>
<tr>
<th>Total learning time: 112h 30m</th>
<th>Hours large group:</th>
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<td>Hours medium group:</td>
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<td>Hours small group:</td>
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<td>Guided activities:</td>
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<td>Self study:</td>
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### Content

| Title English | Learning Time: 26h 15m  
Theory classes: 10h 30m  
Self study: 15h 45m |
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| Title English | Learning Time: 7h 30m  
Theory classes: 3h  
Self study: 4h 30m |
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| Title English | Learning Time: 18h 45m  
Theory classes: 7h 30m  
Self study: 11h 15m |
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<td>Self study: 15h 45m</td>
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Description:
- content english

Bibliography

Basic:

Complementary:

Others resources:
- Audiovisual material
  - Nom recurs
    - Resource