**Course guide**

**295401 - DIN - Dynamics**

**Unit in charge:** Barcelona East School of Engineering  
**Teaching unit:** 729 - MF - Department of Fluid Mechanics.

**Degree:** BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Compulsory subject).

**Academic year:** 2022  
**ECTS Credits:** 6.0  
**Languages:** Catalan, Spanish, English

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**LECTURER**

**Coordinating lecturer:** DAVID SÁNCHEZ MOLINA

**Primer quadrimestre:**  

**Segon quadrimestre:**  

**Others:**  
**Primer quadrimestre:**  
JAVIER ALONSO CARRASCO - Grup: M21, Grup: M22, Grup: M23, Grup: M24  
NOEL SÁNCHEZ MOLINA - Grup: T11, Grup: T13, Grup: T14

**Segon quadrimestre:**  
RAFAEL PACHECO BLAZQUEZ - Grup: M11, Grup: M12, Grup: M13, Grup: M14  
NOEL SÁNCHEZ MOLINA - Grup: T11, Grup: T12, Grup: T13, Grup: T14

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**REQUIREMENTS**

**SISTEMES MECÀNICS - Prerequisite**

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**DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES**

**Specific:**  
CEMEC-20. Calculate the characteristics of, design and test machines.

**Transversal:**  
05 TEQ N1. TEAMWORK - Level 1. Working in a team and making positive contributions once the aims and group and individual responsibilities have been defined. Reaching joint decisions on the strategy to be followed.  
07 AAT N1. SELF-DIRECTED LEARNING - Level 1. Completing set tasks within established deadlines. Working with recommended information sources according to the guidelines set by lecturers.  
04 COE N1. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 1. Planning oral communication, answering questions properly and writing straightforward texts that are spelt correctly and are grammatically coherent.  
03 TLG. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.
TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Self study</td>
<td>90.0</td>
<td>60.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>45.0</td>
<td>30.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>15.0</td>
<td>10.00</td>
</tr>
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Total learning time: 150 h

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<td>Description:</td>
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<td>content english</td>
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<tr>
<td>Specific objectives:</td>
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<td>Related activities:</td>
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| Related competencies:
  07 AAT N1. SELF-DIRECTED LEARNING - Level 1. Completing set tasks within established deadlines. Working with recommended information sources according to the guidelines set by lecturers. |

Full-or-part-time: 153h
Theory classes: 30h
Practical classes: 15h
Guided activities: 15h
Self study: 93h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:
RESOURCES

Other resources:

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