



Course guide

295401 - DIN - Dynamics

Last modified: 08/08/2024

Unit in charge: Barcelona East School of Engineering
Teaching unit: 737 - RMEE - Department of Strength of Materials and Structural Engineering.

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

Academic year: 2024 **ECTS Credits:** 6.0 **Languages:** Spanish

LECTURER

Coordinating lecturer: DAVID SÁNCHEZ MOLINA

Others: Primer quadrimestre:
RODRIGO ESTEBAN ALVA BAÑUELOS - Grup: T11, Grup: T12
IGNASI DE POUPLANA SARDÀ - Grup: M12, Grup: M14
VICTOR MARTINEZ VALVERDE - Grup: M11, Grup: M13
DAVID SÁNCHEZ MOLINA - Grup: M11, Grup: M12, Grup: M13, Grup: M14, Grup: T11, Grup: T12, Grup: T13

REQUIREMENTS

SISTEMES MECÀNICS - Prerequisit

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

Type	Hours	Percentage
Hours small group	15,0	10.00
Self study	90,0	60.00
Hours large group	45,0	30.00

Total learning time: 150 h

CONTENTS

title english

Description:

content english

Specific objectives:

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Related activities:

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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:

- Beer, Ferdinand Pierre ... [et al.]. Mecánica vectorial para ingenieros [on line]. 10ª ed. México [etc.]: McGraw-Hill, cop. 2013 [Consultation: 27/04/2020]. Available on:

http://www.ingebook.com/ib/NPcd/IB_BooksVis?cod_primaria=1000187&codigo_libro=4260. ISBN 9781456218317.

- Bedford, A; Fowler, Wallace. Mecánica para ingeniería [on line]. 5a ed. México: Pearson Educación, cop. 2008 [Consultation: 29/04/2020]. Available on: http://www.ingebook.com/ib/NPcd/IB_BooksVis?cod_primaria=1000187&codigo_libro=1279. ISBN 9786074428759.

RESOURCES

Other resources:

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