

220237 - Fundamentals of Structural Calculation

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 737 - RMEE - Department of Strength of Materials and Structural Engineering
Academic year: 2019
Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Teaching unit Optional)
ECTS credits: 3 Teaching languages: Catalan

Teaching staff

Coordinator: Rafael Weyler Pérez

Others: Montserrat Sánchez Romero

Learning objectives of the subject

Study load

Total learning time: 75h	Hours large group:	27h	36.00%
	Self study:	48h	64.00%

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Content

title english	Learning time: 10h Theory classes: 4h Self study : 6h
Description: content english	
title english	Learning time: 28h Theory classes: 10h Self study : 18h
Description: content english	
title english	Learning time: 28h Theory classes: 10h Self study : 18h
Description: content english	
title english	Learning time: 9h Theory classes: 3h Self study : 6h
Description: content english	

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Planning of activities

name english	Hours: 45h Theory classes: 16h Self study: 29h
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name english	Hours: 30h Theory classes: 11h Self study: 19h
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Bibliography

Basic:

Ortiz Berrocal, Luis. Elasticidad. 3a ed. Madrid [etc.]: McGraw-Hill, cop. 1998. ISBN 8448120469.

Ortiz Berrocal, Luis. Resistencia de materiales. 3a ed. Madrid [etc.]: McGraw-Hill, 2007. ISBN 9788448156336.

Miroliúbov, I ... [et al.]. Problemas de resistencia de materiales. 6ª ed. Moscú: Mir, 1990. ISBN 503000873X.

Complementary:

Gere, James M. Resistencia de materiales. 5ª ed. España [etc.]: International Thomson Editores, cop. 2002. ISBN 9788497320658.

Feodosev, V. I. Resistencia de materiales. 2ª ed. Moscú: Mir, 1980.