

33113 - ACPSV - Analysis and Control of Pollution by Dust, Noise and Vibrations

Coordinating unit: 330 - EPSEM - Manresa School of Engineering
 Teaching unit: 750 - EMIT - Department of Mining, Industrial and ICT Engineering
 Academic year: 2019
 Degree: MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2008). (Teaching unit Optional)
 MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2015). (Teaching unit Optional)
 MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2009). (Teaching unit Optional)
 ECTS credits: 5 Teaching languages: Catalan

Teaching staff

Coordinator: JOAN JORGE SÁNCHEZ - ANNA BONSFILLS PEDRÓS - JOSEP FONT SOLDEVILA

Degree competences to which the subject contributes

Specific:

1. (ENG) Minimitzar la contaminació per pols, sorolls i vibracions comuns en explotacions mineres, mitjançant les tècniques més avançades.

Generical:

2. The ability to take the initiative and be creative.
3. Awareness of environmental issues.

Learning objectives of the subject

Study load

Total learning time: 45h	Hours large group:	30h	66.67%
	Hours medium group:	15h	33.33%

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Content

(ENG) BLOC 1: QUALITAT DE L'AIRE

Degree competences to which the content contributes:

(ENG) BLOC 2: MODELITZACIÓ I SOROLLS

Degree competences to which the content contributes:

(ENG) BLOC 3: VIBRACIONS

Degree competences to which the content contributes:

Bibliography

Basic:

Bueno, J. I.; Sastre, H.; Lavin, A. G., eds. Contaminación e ingeniería ambiental. Oviedo: FICYT, 1997. ISBN 8492313153.

Hoffmann, A. C.; Stein, L. E. Gas cyclons and swirl tubes: principles, design and operation. 2nd ed. Berlin: Springer, 2008. ISBN 9783540746942.

Recuero, M. Ingeniería acústica. Madrid: Parainfo, 2000. ISBN 8428326398.

French, A. P. Vibraciones y ondas. Barcelona: Reverté, 2006. ISBN 8429140980.