

330428 - IAR - Environmental Impact and Restoration

Coordinating unit: 330 - EPSEM - Manresa School of Engineering
 Teaching unit: 750 - EMIT - Department of Mining, Industrial and ICT Engineering
 Academic year: 2019
 Degree: BACHELOR'S DEGREE IN MINING ENGINEERING (Syllabus 2016). (Teaching unit Compulsory)
 ECTS credits: 7,5 Teaching languages: Spanish

Teaching staff

Coordinator: Oliva Moncunill, Josep

Degree competences to which the subject contributes

Specific:

1. (ENG) Tots els camps relacionats amb les activitats extractives i medi ambient.
2. (ENG) Aconseguir dominar l'aplicació dels estudis d'impacte ambiental i els programes de restauració a les activitats extractives.
3. (ENG) Capacitat per analitzar, organitzar i desenvolupar.

Transversal:

4. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 3. Taking social, economic and environmental factors into account in the application of solutions. Undertaking projects that tie in with human development and sustainability.

Learning objectives of the subject

Study load

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|-------------------------------|---------------------|----------|--------|
| Total learning time: 187h 30m | Hours large group: | 0h | 0.00% |
| | Hours medium group: | 75h | 40.00% |
| | Hours small group: | 0h | 0.00% |
| | Guided activities: | 0h | 0.00% |
| | Self study: | 112h 30m | 60.00% |

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Content

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| <p>title english</p> | <p>Learning time: 62h Theory classes: 24h Self study : 38h</p> |
| <p>Description: content english</p> | |
| <p>title english</p> | <p>Learning time: 25h Theory classes: 10h Self study : 15h</p> |
| <p>Description: content english</p> | |
| <p>title english</p> | <p>Learning time: 40h Theory classes: 16h Self study : 24h</p> |
| <p>Description: content english</p> | |
| <p>title english</p> | <p>Learning time: 20h Theory classes: 8h Self study : 12h</p> |
| <p>Description: content english</p> | |
| <p>title english</p> | <p>Learning time: 30h Theory classes: 12h Self study : 18h</p> |
| <p>Description: content english</p> | |

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Planning of activities

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| name english | Hours: 10h Self study: 3h Theory classes: 7h |
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Bibliography

Basic:

Recomanacions tècniques per a la restauració i condicionament dels espais afectats per activitats extractives. Barcelona: Generalitat de Catalunya. Departament de Política Territorial i Obres Públiques, 1987. ISBN 8439308175.

Complementary:

Ayala Carcedo, Francisco Javier, et al. Estabilidad de taludes en la minería de hullas y antracitas a cielo abierto de España. Madrid: Instituto Geológico y Minero de España, DL 1988. ISBN 8478400001.

Tratamiento funcional y paisajístico de taludes artificiales. Madrid: Universidad Politécnica de Madrid, 1983. ISBN 8460032612.

Elias i Castells, Xavier, ed. Reciclaje de residuos industriales: residuos sólidos urbanos y fangos de depuradora. 2a ed. Madrid: Díaz de Santos, cop. 2009. ISBN 9788479788353.

Manual de restauración de terrenos y evaluación de impactos ambientales en minería. 5a edició. Madrid: Instituto Tecnológico Geominero de España, 2004. ISBN 8478400192.