Course guide
330428 - IAR - Environmental Impact and Restoration

Last modified: 04/05/2023

Unit in charge: Manresa School of Engineering
Teaching unit: 750 - EMIT - Department of Mining, Industrial and ICT Engineering.

Degree: BACHELOR'S DEGREE IN MINING ENGINEERING (Syllabus 2016). (Compulsory subject).

Academic year: 2023 **ECTS Credits:** 7.5 **Languages:** Spanish

LECTURER

Coordinating lecturer: Oliva Moncunill, Josep

Others:

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.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

Type	Hours	Percentage
Self study	112,5	60.00
Hours medium group	75,0	40.00

Total learning time: 187.5 h

CONTENTS

title english

Description:
content english

Full-or-part-time: 62h
Theory classes: 24h
Self study : 38h

title english

Description:
content english

Full-or-part-time: 25h
Theory classes: 10h
Self study : 15h

title english

Description:
content english

Full-or-part-time: 40h
Theory classes: 16h
Self study : 24h

title english

Description:
content english

Full-or-part-time: 20h
Theory classes: 8h
Self study : 12h

title english

Description:
content english

Full-or-part-time: 30h
Theory classes: 12h
Self study : 18h

ACTIVITIES

name english

Full-or-part-time: 10h
Theory classes: 7h
Self study: 3h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:
- Recomanacions tècniques per a la restauració i condicionament dels espais afectats per activitats extractives [on line]. Barcelona: Generalitat de Catalunya. Departament de Política Territorial i Obres Públiques, 1987 [Consultation: 03/12/2021]. Available on: http://www.gencat.cat/mediamb/publicacions/monografies/recomanacions_tecniques_restauracio_espais_afectats_activitats_extractives.pdf. ISBN 8439308175.

Complementary:
- Manual de restauración de terrenos y evaluación de impactos ambientales en minería. 5a edició. Madrid: Instituto Tecnológico Geominero de España, 2004. ISBN 8478400192.
- 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 [on line]. 2a ed. Madrid: Díaz de Santos, cop. 2009 [Consultation: 27/05/2022]. Available on: https://ebookcentral-proquest-com.recursos.biblioteca.upc.edu/lib/upcatalunya-ebooks/detail.action?docID=3219980. ISBN 9788479788353.