

330427 - MIS - Underground Mining

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: Catalan, Spanish

Teaching staff

Coordinator: Sanmiquel Pera, Lluís
Others: Bascompta Massanès, Marc
Calvo Torralba, Daniel

Degree competences to which the subject contributes

Specific:

1. (ENG) Extracció de matèries primeres d'origen mineral.
2. (ENG) Disseny, planificació i direcció d'explotacions mineres.
3. (ENG) Maquinària minera en explotacions subterrànies.
4. (ENG) Activitats i elements auxiliars.

Transversal:

5. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.
6. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 3. Communicating clearly and efficiently in oral and written presentations. Adapting to audiences and communication aims by using suitable strategies and means.
7. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.

Learning objectives of the subject



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Study load

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

title english	Learning time: 4h Theory classes: 2h Self study : 2h
Description: content english	
title english	Learning time: 20h Theory classes: 8h Practical classes: 2h Self study : 10h
Description: content english	
title english	Learning time: 20h Theory classes: 12h Self study : 8h
Description: content english	
title english	Learning time: 30h Theory classes: 10h Laboratory classes: 5h Self study : 15h
Description: content english	
title english	Learning time: 15h Theory classes: 7h Self study : 8h
Description: content english	

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title english	Learning time: 16h Theory classes: 9h Practical classes: 2h Self study : 5h
Description: content english	

title english	Learning time: 10h Theory classes: 4h Self study : 6h
Description: content english	

title english	Learning time: 15h Theory classes: 10h Self study : 5h
Description: content english	

Planning of activities

name english	Hours: 10h Practical classes: 2h Self study: 8h
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name english	Hours: 10h Practical classes: 2h Self study: 8h
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name english	Hours: 15h Practical classes: 5h Self study: 10h
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Bibliography

Basic:

De la Vergne, Jack. Hard rock miner's handbook [on line]. 5th ed. Edmonton: Stantec Consulting, cop. 2008 [Consultation: 29/11/2016]. Available on:
<http://www.stantec.com/content/dam/stantec/files/PDFAssets/2014/Hard%20Rock%20Miner%27s%20Handbook%20Editio%20n%205_3.pdf>. ISBN 0968700616.

López Jimeno, C., et al. Ingeo túneles. Madrid: Carlos López Jimeno, 1998-2009. ISBN 849614013X.

Hoek, Evert; Brown, Edwin T. Underground excavations in rock. Revised. London: Institution of Mining and Metallurgy, 1990. ISBN 0419160302.

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Díaz Aguado, María B. Carga, transporte y extracción en minería subterránea. Oviedo: Septem, 2006. ISBN 8496491458.

Complementary:

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