

330423 - TPM - Technology of Mining Exploration

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: 4,5 Teaching languages: Catalan

Teaching staff

Coordinator: Alfonso Abella, Maria Pura
 Others: Calvo Torralba, Daniel
 Parcerisa Duocastella, David

Degree competences to which the subject contributes

Specific:

1. (ENG) Tècniques de perforació aplicades a obres subterrànies i superficials.
2. (ENG) Tècniques de mostreig.
3. (ENG) Tecnologia de la prospecció geofísica i geoquímica.
4. (ENG) Modelitzacions de jaciments.

Learning objectives of the subject

Study load

Total learning time: 112h 30m	Hours large group:	0h	0.00%
	Hours medium group:	45h	40.00%
	Hours small group:	0h	0.00%
	Guided activities:	0h	0.00%
	Self study:	67h 30m	60.00%

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Content

<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: 18h Theory classes: 5h Laboratory classes: 2h Self study : 11h</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 34h 30m Theory classes: 8h Laboratory classes: 7h Self study : 19h 30m</p>
<p>Description: content english</p>	
<p>title english</p>	<p>Learning time: 40h Theory classes: 8h Laboratory classes: 8h Self study : 24h</p>
<p>Description: content english</p>	

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Planning of activities

name english	Hours: 5h Laboratory classes: 2h Self study: 3h
name english	Hours: 15h Laboratory classes: 6h Self study: 9h
name english	Hours: 15h Laboratory classes: 6h Self study: 9h
name english	Hours: 10h Theory classes: 4h Self study: 6h

Bibliography

Basic:

- Azcárate, J. E. Introducción a la metodología de investigación minera. Madrid: IGME, 1982. ISBN 8460026876.
- Bustillo Revuelta, M.; López Jimeno, C. Recursos minerales: tipología, prospección, evaluación, explotación, mineralurgia, impacto ambiental. Madrid?: [s.n.], DL 1996. ISBN 8492170808.
- Chaussier, J. B.; Morer, J. Manuel du prospecteur minier. Orleans: BRGM, 1981. ISBN 2715900082.
- Kearey, P.; Brooks, M.; Hill, I. An introduction to geophysical exploration. 3rd ed. Oxford: Blackwell, 2002. ISBN 0632049294.
- Orche García, E. Manual de evaluación de yacimientos minerales. Madrid: Carlos López Jimeno, 1999. ISBN 8492170891.
- Rossi, Mario E; Deutsch, Clayton V. Mineral resource estimation. Dordrecht [etc.]: Springer, cop. 2014. ISBN 9781402057168.
- Higuera, P.; Oyarzun, R.. Prospección geoquímica [on line]. Almadén: Universidad de Castilla-La Mancha, [Consultation: 20/06/2017]. Available on: <<https://es.scribd.com/document/228974862/Prospeccion-geoquimica-oyarzun>>.

Others resources: