

330403 - MIP - Mineralogy and Petrology

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: 6 Teaching languages: Catalan

Teaching staff

Coordinator: Alfonso Abella, Maria Pura
 Others: Tomasa Guix, Oriol

Degree competences to which the subject contributes

Specific:

1. (ENG) Geologia general i de detall.
2. (ENG) Assaigs mineralògics i petrogràfics.

Transversal:

3. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 1. Planning oral communication, answering questions properly and writing straightforward texts that are spelt correctly and are grammatically coherent.

Learning objectives of the subject

Study load

Total learning time: 150h	Hours large group:	0h	0.00%
	Hours medium group:	60h	40.00%
	Hours small group:	0h	0.00%
	Guided activities:	0h	0.00%
	Self study:	90h	60.00%

330403 - MIP - Mineralogy and Petrology

Content

title english	Learning time: 11h Theory classes: 4h Self study : 7h
Description: content english	

title english	Learning time: 60h Theory classes: 20h Self study : 40h
Description: content english	

title english	Learning time: 16h Theory classes: 6h Self study : 10h
Description: content english	

Planning of activities

name english	Hours: 54h Laboratory classes: 26h Self study: 28h
--------------	--

name english	Hours: 9h Laboratory classes: 4h Self study: 5h
--------------	---

330403 - MIP - Mineralogy and Petrology

Bibliography

Basic:

Berry, L. G; Mason, B. H. Mineralogy: concepts, descriptions, determinations. 2nd ed. New Delhi: CBS Publishers & distributors, cop. 1985. ISBN 9788123911489.

Castro Dorado, A. Petrografía de rocas ígneas y metamórficas. Madrid: Paraninfo, 2015. ISBN 9788428335164.

Deer, W. A; Howie, R.A; Zussman, J. An Introduction to the rock-forming minerals. 2nd ed. Essex: Longman, 1992. ISBN 0582300940.

Klein, Cornelis; Hurlbut, Cornelius S. Manual de mineralogía: basado en la obra de J. Dana. 4a ed. Barcelona [etc.]: Reverté, DL 1996-. ISBN 8429146083.

Nesse, W. D. Introduction to mineralogy. 2nd ed. New York: Oxford University Press, 2012. ISBN 9780199827381.

Wenk, H. R.; Bulakh, A. G. Minerals, their constitution and origin. 2nd ed. Cambridge: Cambridge University Press, 2016. ISBN 9780521529587.

Mata i Perelló, Josep M; Sanz Balagué, Joaquim. Guia d'identificació de minerals [on line]. Manresa: Parcir Edicions Selectes, 2007 [Consultation: 30/11/2016]. Available on: <<http://hdl.handle.net/2117/90445>>. ISBN 9788483019023.

Sanz Balagué, Joaquim; Tomasa Guix, Oriol. Elements i recursos minerals: aplicacions i reciclatge [on line]. 3a ed. [Manresa]: Zenobita: Museu de Geologia Valentí Masachs, 2017 [Consultation: 09/03/2018]. Available on: <<http://hdl.handle.net/2117/105113>>. ISBN 9788498806663.

Others resources: