

## 33101 - EMRARN - Methodological Tools for Research on Natural Resources

Coordinating unit:	330 - EPSEM - Manresa School of Engineering
Teaching unit:	750 - EMIT - Department of Mining, Industrial and ICT Engineering
Academic year:	2019
Degree:	MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2008). (Teaching unit Compulsory) MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2015). (Teaching unit Compulsory) MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2009). (Teaching unit Compulsory)
ECTS credits:	5
Teaching languages:	Spanish

### Teaching staff

Coordinator:	FRANCESC XAVIER DE LAS HERAS CISA
Others:	Personal de biblioteca de la BCUM.

### Degree competences to which the subject contributes

#### Generical:

1. The ability to communicate effectively orally and in writing.
2. The ability to take the initiative and be creative.

### Teaching methodology

Students must attend scheduled face-to-face classes. Practical exercises carried out on a regular basis and a bibliographic research assignment related to the content of the subject will be assessed.

Students taking this subject are assessed as described below.

- Reading and comprehension of the content of the subject and activities: 20% of the final mark
- Assignment: 80% of the final mark

### Learning objectives of the subject

For students to use specialised tools to access the information sources they need to carry out an engineering research assignment. It' s a practical course that aims to help students who wish to carry out research with their bibliographic research, so that they can provide full, rigorous and current information.



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### Study load

Total learning time: 45h	Hours large group:	30h	66.67%
	Hours medium group:	15h	33.33%

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### Content

1. Introduction. Competencies of the degree to which the subject contributes

Learning time: 0h 45m

Theory classes: 0h 30m

Practical classes: 0h 15m

Description:

- a. The value of research
- b. The value of information in the research process

2. Scientific communication

Degree competences to which the content contributes:

3. Information resources in the natural resources scope

Learning time: 0h 45m

Theory classes: 0h 30m

Practical classes: 0h 15m

Description:

- a. Libraries
- b. Types of documents
- c. Designing a search strategy
- d. Search tools
  - i. Library catalogues
  - ii. Internet
  - iii. Databases
- iv. Services to be updated on natural resources
- e. Assessing and managing information
  - i. Organising information
  - ii. Using information ethically

4. Written presentation

Degree competences to which the content contributes:

5. Oral presentation

Degree competences to which the content contributes:

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### Qualification system

Students taking this subject are assessed as described below.

- Reading and comprehension of the content of the subject and activities: 20% of the final mark
- Exam results: 80% of the final mark

Students must attend exams and hand in assignments to be assessed.

### Bibliography

Basic:

Abadal, E., i altres. La documentació a l'era de la informació. Barcelona: EDIUOC, 1998. ISBN 8495131013.

Cassany, D. La cuina de l'escriptura. Barcelona: Empúries, 1993. ISBN 8475969135.

Clanchy, John; Ballard, Brigid. Cómo se hace un trabajo académico: guía práctica para estudiantes universitarios. 2ª ed. aum. Zaragoza: Prensas Universitarias de Zaragoza, 2000. ISBN 8477335397.

Duarte Abós, Gema. Buscando información: los fundamentos y los instrumentos. Tarragona: Lidervet, 2007. ISBN 9788461202874.

Icart, M. Teresa; Fuentelsaz, Carmen; Pulpón, Anna M. Elaboración y presentación de un proyecto de investigación y una tesina. Barcelona: Edicions Universitat de Barcelona, 2000. ISBN 8483381923.

Pike, Robert W. Presentaciones eficaces. 2ª ed. Madrid: Fundación Confemetal, 2007. ISBN 9788496743137.

Rubió, J.; Puigpelat, F. Com parlar bé en públic. Barcelona: Mina, 2010. ISBN 8473065867.

Sánchez Tamés, Ricardo. Cómo publicar. Oviedo: Ediciones de la Universidad de Oviedo, 2004. ISBN 8483174529.