Course guides
33109 - SARNMP - Advanced Seminar on Natural Resources as Raw Material

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

Degree: MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2009). (Optional subject).
MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2015). (Optional subject).
MASTER'S DEGREE IN NATURAL RESOURCE ENGINEERING (Syllabus 2008). (Optional subject).

Academic year: 2020  ECTS Credits: 5.0  Languages: Catalan, English, Spanish

LECTURER
Coordinating lecturer: Busquets Rubio, Pere
Parcerisa Duocastella, David

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES
Specific:
1. To design a process to minimise a pollutant, a waste material or a type of pollution.

TEACHING METHODOLOGY
Lectures, conferences, debates and forums are given on the basic content of the subject.

- A research assignment is set and tutored by one of the subject’s professors over the course of the semester. Students must present it in public.

LEARNING OBJECTIVES OF THE SUBJECT
To become familiar with the problems associated with the exploitation of natural resources and their application in industry, construction and society in general.

To provide students with the advanced knowledge of researchers working in areas related to sustainable exploitation.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Hours medium group</td>
<td>15,0</td>
<td>33.33</td>
</tr>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>66.67</td>
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</tbody>
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Total learning time: 45 h
CONTENTS

Description:
1. Geological materials for obtaining energy
   - Fossil fuels
   - Water
   - Other

2. Industrial geological materials for the metallurgical and chemical industry
   - Minerals
   - Rocks
   - Carbon, petroleum and natural gas
   - Other

Full-or-part-time: 45h
Theory classes: 30h
Practical classes: 15h

GRADING SYSTEM

Assessment takes into account the following:

- Written test (40%)
- Tutored assignment (40%)
- Exercises on the topics (20%)

The following criteria are taken into account:
a) Assessment of the documents obtained: relevance and processing of the information.
b) Assessment of the report.
c) Assessment of the public presentation.

BIBLIOGRAPHY

Basic: