Course guide
330601 - MPM - Modeling in Mineral Processing

Unit in charge: Manresa School of Engineering
Teaching unit: 750 - EMIT - Department of Mining, Industrial and ICT Engineering.
Degree: MASTER'S DEGREE IN MINING ENGINEERING (Syllabus 2013). (Compulsory subject).
Academic year: 2022 ECTS Credits: 5.0 Languages: Catalan, Spanish

LECTURER
Coordinating lecturer: Oliva Moncunill, Josep

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
1. (ENG) Capacitat per planificar, dissenyar i gestionar instal·lacions de tractaments de recursos minerals.
2. (ENG) Coneixement adequat de la tecnologia d'explotació de recursos minerals.
3. (ENG) Coneixement de sistemes de control i automatismes.

Transversal:
4. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 1. Analyzing the world’s situation critically and systemically, while taking an interdisciplinary approach to sustainability and adhering to the principles of sustainable human development. Recognizing the social and environmental implications of a particular professional activity.
5. TEAMWORK - Level 1. Working in a team and making positive contributions once the aims and group and individual responsibilities have been defined. Reaching joint decisions on the strategy to be followed.
6. EFFECTIVE USE OF INFORMATION RESOURCES - Level 1. Identifying information needs. Using collections, premises and services that are available for designing and executing simple searches that are suited to the topic.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Self study</td>
<td>80,0</td>
<td>64.00</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>45,0</td>
<td>36.00</td>
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Total learning time: 125 h
## CONTENTS

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<thead>
<tr>
<th>Title</th>
<th>Description</th>
<th>Full-or-part-time</th>
<th>Theory classes</th>
<th>Laboratory classes</th>
<th>Self study</th>
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<tbody>
<tr>
<td></td>
<td>content english</td>
<td>30h</td>
<td>5h 24m</td>
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<td>19h 12m</td>
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<td>10h</td>
<td>1h 48m</td>
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<td>6h 24m</td>
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<td>2h 42m</td>
<td>2h 42m</td>
<td>9h 36m</td>
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**title english**

**Description:**
content english

**Full-or-part-time:** 15h
Theory classes: 2h 42m
Laboratory classes: 2h 42m
Self study: 9h 36m

**title english**

**Description:**
content english

**Full-or-part-time:** 10h
Theory classes: 1h 48m
Laboratory classes: 1h 48m
Self study: 6h 24m

**ACTIVITIES**

**name english**

**Full-or-part-time:** 30h
Laboratory classes: 15h
Self study: 15h

**name english**

**Full-or-part-time:** 32h
Theory classes: 2h
Self study: 30h

**name english**

**Full-or-part-time:** 43h
Practical classes: 8h
Self study: 35h

**GRADING SYSTEM**
BIBLIOGRAPHY

Basic:

Complementary: