330400 - M - Mathematics

**Coordinating unit:** 330 - EPSEM - Manresa School of Engineering  
**Teaching unit:** 749 - MAT - Department of Mathematics  
**Academic year:** 2018  
**Degree:** BACHELOR'S DEGREE IN MINING ENGINEERING (Syllabus 2016). (Teaching unit Compulsory)  
**ECTS credits:** 6  
**Teaching languages:** Catalan, Spanish

### Teaching staff

**Coordinator:** Gimenez Pradales, Jose Miguel  
**Others:** Alsina Aubach, Montserrat - Cors Iglesias, Josep M. - Domenech Blazquez, Margarita - Freixas Bosch, Josep - Molina Hernandez, M. Antonia - Molinero Albareda, Xavier - Palacios Quiñonero, Francisco - Pons Valles, Montserrat - Puente Del Campo, M. Albina - Rossell Garriga, Josep Maria - Rubió Massegú, Josep - Ventura Capell, Enric

### Degree competences to which the subject contributes

**Specific:**
1. (ENG) Capacitat per a la resolució dels problemes matemàtics que puguin sorgir en l'enginyeria. Aptitud per aplicar els coneixements sobre: àlgebra lineal, geometria, geometria diferencial, càlcul diferencial i integral i equacions diferencials ordinàries.

**Transversal:**
2. 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.
3. 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.
4. SELF-DIRECTED LEARNING - Level 1. Completing set tasks within established deadlines. Working with recommended information sources according to the guidelines set by lecturers.

### Learning objectives of the subject

- 

### Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
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<tbody>
<tr>
<td>Hours large group: 0h</td>
</tr>
<tr>
<td>Hours medium group: 60h</td>
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<tr>
<td>Hours small group: 0h</td>
</tr>
<tr>
<td>Guided activities: 0h</td>
</tr>
<tr>
<td>Self study: 90h</td>
</tr>
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| 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%|
## Content

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<tr>
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| Description: content english |

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<td>Self study: 18h</td>
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| Description: content english |

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| Description: content english |

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**Description:**
content english

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**Description:**
content english

## Planning of activities

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<table>
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Bibliography

Basic:


