Universidad
Carlos III de Madrid
www.uc3m.es

## TITLE OF THE COURSE: Linear Algebra

GRADUATE: Bachelor's Degree in Mechanical Engineering (221)

## 29 sessions (15 in a master group, 14 in a small group) in 14 weeks.

| WEEKLY PLANNING OF THE COURSE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \sum_{i n}^{~} \\ & \text { 盀 } \end{aligned}$ |  | DESCRIPTION | GROUP |  | STUDENT'S WEEKLY WORK |  |  |
|  |  |  | BIG | SMALL | DESCRIPTION | CLASSROOM HOURS | WORKING HOURS Max. 7h. week) |
| 1 | 1 | Presentation <br> 0. Complex Numbers | X |  |  | 1,66 | 7 |
| 1 |  | Selected exercises |  | X |  | 1,66 |  |
|  |  | 0. Complex Numbers <br> 1. Systems of linear equations | X |  |  | 1,66 | 7 |
|  |  | Selected exercises |  | X |  | 1,66 |  |
|  | 5 | 1. Systems of linear equations | X |  |  | 1,66 | 7 |
|  |  | Selected exercises |  | X |  | 1,66 |  |
|  |  | 1. Systems of linear equations 2.1 Matrix operations | X |  |  | 1,66 | 7 |
|  | 8 | Selected exercises |  | X |  | 1,66 |  |
| 5 |  | 2.2 The inverse of a matrix <br> 2.3 Block matrices | X |  |  | 1,66 | 7 |
| 5 |  | Selected exercises |  | X |  | 1,66 |  |
|  |  | 2.4 Determinants | X |  |  | 1,66 | 7 |
|  |  | Selected exercises Control of themes 0 and 1 |  | X |  | 1,66 |  |



