Universidad
Carlos III de Madrid
www.uc3m.es

## COURSE: Linear Algebra

| DEGREE: Degree in Industrial Technologies | YEAR: 1 | TERM: 1 |
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The course has 28 lectures distributed along 14 weeks + an extra theoretical lecture on complex numbers

| WEEKLY PLANNING |  |  |  |  |  |  |  |  |
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| $\begin{aligned} & \sum_{\text {知 }} \end{aligned}$ |  | description | GROUPS (mark X) |  | Special room for session (computer classroom, audio-visual classroom...) | WEEKLY PROGRAMMING FOR STUDENT |  |  |
|  |  |  | $\begin{array}{\|l\|l\|} \hline \text { LECTU } \\ \text { RES } \end{array}$ | $\begin{array}{\|c} \text { SEMIN } \\ \text { ARS } \end{array}$ |  | DESCRIPTION | CLASS HOURS | HOMEWORK HOURS (Max. 7h week) |
| 1 | 1 | Systems of linear equations (Lay 1.1, see Notes at the end) <br> - Solution of a linear system <br> - Matrix notation <br> - Solving a linear system <br> - Elementary row operations <br> - Row equivalence <br> Row reduction and echelon form (Lay 1.2) | X |  |  | Study of the book (*1, see Notes at the end) | 1,66 | 7 |








Notes:
(Lay 1.3) Section of D. C. Lay's book containing the material covered in the corresponding session.
(*1)Study the corresponding sessions in D. C. Lay's book.
(*2)Selected exercises from D. C. Lay's book corresponding to the previous lecture in large group.
(*3)Do some of the odd exercises in D. C. Lay's book corresponding to the previous lecture in large group and compare with the solutions in the book.

