## COURSE: Linear Algebra

DEGREE: Bachelor's Degree in Sound and Image
(*4, see Notes at the end) sessions along 14 weeks.

| WEEKLY PLANNING |  |  |  |  |  |  |  |  |  |
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| $\sum_{\text {䅛 }}$ | $\begin{aligned} & \tilde{\omega} \\ & \tilde{\omega} \\ & 0 \\ & 2 \end{aligned}$ | DESCRIPTION | GROUPS |  | $\begin{gathered} \# \\ 1 \end{gathered}$ | $\begin{aligned} & \# \\ & 2 \end{aligned}$ | WEEKLY PROGRAMMING FOR STUDENTS |  |  |
|  |  |  | LECTURES | SEMINARS |  |  | DESCRIPTION | CLASS <br> HOURS (*5, see Notes at the end) | HOMEW <br> ORK <br> HOURS (Max. <br> 7h <br> week) |
| 1 | 1 | Presentation Complex numbers | X |  |  |  | Book study (*1, see Notes at the end) | 1,66 | 7 |
| 1 | 2 | Selected exercises (*2, see Notes at the end) |  | X |  |  | Odd numbered exercises. Compare with solutions (*3) | 1,66 |  |
| 2 | 3 | Complex numbers | X |  |  |  | Book study (*1, see Notes at the end) | 1,66 | 7 |
| 2 | 4 | Selected exercises (*2, see Notes at the end) |  | X |  |  | Odd numbered exercises. Compare with solutions (*3) | 1,66 |  |
| 3 | 5 | 1.1 Systems of linear equations (Lay 1.1, see Notes at the end) <br> 1.2 Row Reduction and Echelon Form <br> 1.3 Vector Equations | X |  |  |  | Book study (*1, see Notes at the end) | 1,66 | 7 |
| 3 | 6 | Selected exercises ( ${ }^{*} 2$, see Notes at the end) |  | X |  |  | Odd numbered exercises. Compare with solutions (*3) | 1,66 |  |
| 4 | 7 | 1.4 The Matrix Equation Ax=b <br> 1.5 Solution Sets of Linear Systems | X |  |  |  | Book study (*1, see Notes at the end) | 1,66 | 7 |
| 4 | 8 | Selected exercises ( ${ }^{*} 2$, see Notes at the end) |  | X |  |  | Odd numbered exercises. Compare with solutions (*3) | 1,66 |  |
| 5 | 9 | 2.1 Matrix Operations | X |  |  |  | Book study (*1, see Notes at the end) | 1,66 | 7 |



| Total 1 (Hours of class plus student homework hours between weeks 1-14) | Subtotal 1 | 48,33 |
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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 numbered exercises in D. C. Lay's book corresponding to the previous lecture in large group and compare with the solutions in the book
(*4) There are 29 sessions. 15 of theory, 14 of exercises. The extra theory session occurs (due to the university schedules) on week 6.
(*5) 1,66 hours (in fact 10/6) corresponds to 100 minutes each session.
\#1 SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)
\#2 Indicate YES/NO If the session needs 2 teachers

