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|---|--------------------|----------------------|
| <b>COURSE: Manufacturing and construction of electronic equipment</b> |                    |                      |
| <b>STUDY: Bachelor in Industrial Electronics and Automation</b>       | <b>COURSE: 4th</b> | <b>SEMESTER: 1st</b> |

| PLANIFICACIÓN SEMANAL DE LA ASIGNATURA |        |  |                  |         |  |  |                            |                    |                                |
|--|--------|--|------------------|---------|--|--|----------------------------|--------------------|--------------------------------|
| SEMANA                                 | SESIÓN | DESCRIPCIÓN DEL CONTENIDO DE LA SESIÓN | GRUPO (marcar X) |         | Indicar espacio distinto de aula (aula informática, audiovisual, etc.) | Indicar SI/NO es una sesión con 2 profesores | TRABAJO SEMANAL DEL ALUMNO |                    |                                |
|  |        |  | GRANDE           | PEQUEÑO |  |  | DESCRIPCIÓN                | HORAS PRESENCIALES | HORAS TRABAJO (Max. 7h semana) |
| 1                                      | 1      | Course introduction                    |                  | X       | Aula Virtual   |  |                            | 1,66               | 2                              |
| 1                                      | 2      | Introduction to CAD                    | X                |         | Aula Virtual   |  |                            | 1,66               |                                |
| 2                                      | 3      | Introduction to OrCAD                  |                  | X       | Aula Virtual   |  |                            | 1,66               | 5                              |
| 2                                      | 4      | Schematics edition                     | X                |         | Aula Virtual   |  |                            | 1,66               |                                |
| 3                                      | 5      | PCB manufacturing processes            |                  | X       | Aula Virtual   |  |                            | 1,66               | 5                              |
| 3                                      | 6      | Introduction to PCB design             | X                |         | Aula Virtual   |  |                            | 1,66               |                                |
| 4                                      | 7      | Subcircuits                            |                  | X       | Aula Virtual   |  |                            | 1,66               | 5                              |
| 4                                      | 8      | Examples                               | X                |         | Aula Virtual   |  |                            | 1,66               |                                |
| 5                                      | 9      | Continuous evaluation assignment       |                  | X       | Aula Virtual   |  |                            | 1,66               | 6                              |
| 5                                      | 10     | Footprints                             | X                |         | Aula Virtual   |  |                            | 1,66               |                                |
| 6                                      | 11     | Examples                               |                  | X       | Aula Virtual   |  |                            | 1,66               | 6                              |

|   |    |  |   |   |              |     |  |               |           |
|---|----|--|---|---|--------------|-----|--|---------------|-----------|
| 6   | 12 | PCB design rules                                   | x |   | Aula Virtual |     |  | 1,66          |           |
| 7   | 13 | Examples   |   | x | Aula Virtual |     |  | 1,66          |           |
| 7   | 14 | Introduction to simulation                         | x |   | Aula Virtual |     |  | 1,66          | 5         |
| 8   | 15 | Examples   |   | x | Aula Virtual |     |  | 1,66          |           |
| 8   | 16 | Hierarchical design                                | x |   | Aula Virtual |     |  | 1,66          | 5         |
| 9   | 17 | Continuous evaluation assignment                   |   | x | Aula Virtual |     |  | 1,66          |           |
| 9   | 18 | Subcircuits  | x |   | Aula Virtual |     |  | 1,66          | 6         |
| 10  | 19 | Examples   |   | x | Aula Virtual |     |  | 1,66          |           |
| 10  | 20 | ABC library  | x |   | Aula Virtual |     |  | 1,66          | 6         |
| 11  | 21 | Lab 1  |   | x | Aula Virtual | YES |  | 1,66          |           |
| 11  | 22 | Simulation of digital circuits                     | x |   | Aula Virtual |     |  | 1,66          | 7         |
| 12  | 23 | Lab 2  |   | x | Aula Virtual | YES |  | 1,66          |           |
| 12  | 24 | Examples   | x |   | Aula Virtual |     |  | 1,66          |           |
| 12  | 25 | Final work   |   | x | Aula Virtual |     |  | 1,66          | 7         |
| 13  | 26 | Lab 3  |   | x | Lab          | YES |  | 1,66          |           |
| 13  | 27 | Examples   | x |   | Aula Virtual |     |  | 1,66          | 7         |
| 14  | 28 | Lab 4  |   | x | Lab          | YES |  | 1,66          |           |
| 14  | 29 | Examples   | x |   | Aula Virtual |     |  | 1,66          | 6         |
| <b>Subtotal 1</b>   |    |  |   |   |              |     |  | <b>48,14</b>  | <b>76</b> |
| <b>Total 1 (Horas presenciales y de trabajo del alumno entre las semanas 1-14)</b>  |    |  |   |   |              |     |  | <b>124,14</b> |           |
| 15  |    | Recuperaciones, tutorías, entrega de trabajos, etc |   |   |              |     |  | 7             |           |
| 16  |    | Preparación de evaluación y evaluación             |   |   |              |     |  | 3             | 16        |
| 17  |    |  |   |   |              |     |  |               |           |
| 18  |    |  |   |   |              |     |  |               |           |
| <b>Subtotal 2</b>   |    |  |   |   |              |     |  | <b>3</b>      |           |
| <b>Total 2 (Horas presenciales y de trabajo del alumno entre las semanas 15-18)</b> |    |  |   |   |              |     |  | <b>26</b>     |           |
| <b>TOTAL (Total 1 + Total 2. Máximo 180 horas)</b>                                  |    |  |   |   |              |     |  | <b>150,14</b> |           |