| COURSE: ENGINEERING GRAPHICS | | |
|---|---|---|
| DEGREE: BACHELOR IN AEROSPACE ENGINEERING | YEAR: 1st | TERM: 2 nd |

**WEEKLY PLANNING**

| WEEK | SESSION | DESCRIPTION | TEACHING (mark X) | | SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room) | WEEKLY PROGRAMMING FOR STUDENT | | |
|---|---|---|---|---|---|---|---|---|
| | | | LECTURES | SEMINARS | | DESCRIPTION | CLASS HOURS (1,66=50+50 min) | HOMEWORK HOURS (Max. Estim. 6,5h) |
| 1 | 1 | INTRODUCTION TO TECHNICAL DRAWING AND REPRESENTATION SYSTEMS. | x | | NO | Knowing different representation systems and their basic rules | 1,66 | 6,5 |
| | 2 | CAD, CAM, CAE SYSTEMS | | x | INF. CLASS | Starting to work with a CAD program | 1,66 | |
| 2 | 3 | STARNDARDIZATION | x | | NO | Knowing different representation systems and their basic rules | 1,66 | 6,5 |
| | 4 | STARNDARDIZATION. SOLID EDGE ENVIROMENT AND FIRST OPERATION | | x | INF. CLASS | Working with a CAD program | 1,66 | |
| 3 | 5 | DRAWING VIEW CREATION | x | | NO | Learning drawing view creation | 1,66 | 6,5 |
| | 6 | DRAWING VIEW CREATION WITH SOLID EDGE | | x | INF. CLASS | Applying drawing view creation with Solid Edge | 1,66 | |
| 4 | 7 | SECTIONS, CUTS AND BREAKS | x | | NO | Applying the OP concepts to represent parts | 1,66 | 6,5 |
| | 8 | EXERCISES ABOUT SECTIONS, CUTS AND BREAKS | | x | INF. CLASS | Realizing exercises about representing parts with Solid | 1,66 | |
| 5 | 9 | FINAL PROJECT INSTRUCTIONS | x | | NO | Edge. | 1,66 | 6,5 |
| | 10 | PROYECT REVISION: CONTROL OF THE PROJECT PROGRESS | | x | INF. CLASS | Learning the basic standards about dimensioning and | 1,66 | |
| | 11 | DIMENSIONING AND REPRESENTATION | x | | NO | representation | 1,66 | |

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| 6 | 12 | EXERCISES ABOUT DIMENSIONING | | x | INF. CLASS | Learning to generate and dimension a draft with CAD | 1,66 | 6,5 |
| 7 | 13 | DIMENSIONING AND REPRESENTATION | x | | NO | Learning the basic standards about dimensioning and representation | 1,66 | 6,5 |
| | 14 | SOLID EDGE DRAFT ENVIROMENT. DIMENSIONING | | x | INF. CLASS | Learning to generate and dimension a draft with CAD | 1,66 | |
| 8 | 15 | STANDARD PARTS | x | | NO | Learning to identify the most usual standard parts | 1,66 | 6,5 |
| | 16 | STANDARD PARTS WITH SOLID EDGE | | x | INF. CLASS | Learning to work with the most usual standard parts in Solid Edge | 1,66 | |
| 9 | 17 | STANDARD PARTS | x | | NO | Learning to identify the most usual standard parts | 1,66 | 6,5 |
| | 18 | STANDARD PARTS WITH SOLID EDGE | | x | INF. CLASS | Learning to work with the most usual standard parts in Solid Edge | 1,66 | |
| 10 | 19 | ASSEMBLIES | x | | NO | Learning to realize and understand an assembly draft | 1,66 | 6,5 |
| | 20 | SOLID EDGE ASSEMBLY ENVIROMENT | | x | INF. CLASS | Learning to assembly parts with CAD | 1,66 | |
| 11 | 21 | GEOMETRIC AND DIMENSIONAL TOLERANCES | x | | NO | Learning the tolerance concept and how to calculate them | 1,66 | 6,5 |
| | 22 | TOLERANCES APPLICATION. DESIGN ANALYSIS. | | x | INF. CLASS | Applying the concept and calculation of tolerances to design problems | 1,66 | |
| 12 | 23 | GEOMETRIC AND DIMENSIONAL TOLERANCES | x | | NO | Learning the tolerance concept and how to calculate them | 1,66 | 6,5 |
| | 24 | TOLERANCES APPLICATION. DESIGN ANALYSIS. | | x | INF. CLASS | Applying the concept and calculation of tolerances to design problems | 1,66 | |
| 13 | 25 | PROYECT DELIVERY: PLANS AND PRESENTATION | x | | NO | Project presentations: The final project will be presented by students | 1,66 | 6,5 |
| | 26 | SOLID EDGE: APPLICATIONS | | x | INF. CLASS | Applying Solid Edge in a CAD process by using all its environments together. | 1,66 | |

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|---|---|---|---|---|---|---|---|---|
| | | | LECTURES | SEMINARS | | DESCRIPTION | CLASS HOURS (1,66=50+50 min) | HOMEWORK HOURS (Max. Estim. 6,5h) |
| 14 | 27 | PROYECT DELIVERY: PLANS AND PRESENTATION | x | | NO | Project presentations: The final project will be presented by students | 1,66 | 6,5 |
| | 28 | SOLID EDGE: APPLICATIONS | | x | INF. CLASS | Applying Solid Edge in a CAD process by using all its environments together. | 1,66 | |
| | 29 | Additional session | | | | | 1,66 | 3,25 |
| | | | | | | **Subtotal 1** | **48** | **94** |
| | | | | | | **Total 1** *(Hours of class plus student homework)* | **142** | |
| 15 | | Tutorials, handing in, etc | | | | Finishing a Project that summarizes all the acquired | 3,6 | - |
| 16<br>17<br>18 | | Assessment | | | | | 4 | 10 |
| | | | | | | **Subtotal 2** | **8** | **10** |
| | | | | | | ***Total 2*** *(Hours of class plus student homework)* | **18** | |
| **TOTAL** (*Maximun 160 horas* ) | | | | | | | **160** | |