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| COURSE: Operating Systems Design | | |
| DEGREE: Computer Science and Engineering | YEAR: 3 | TERM: 2 |

| PLANIFICACIÓN SEMANAL | | | | | | | | | |
|-----------------------|---------|--|-----------------|----------|---|---------------------------|--|----------------|---|
| WEEK | SESSION | DESCRIPTION | GROUPS (Mark X) | | Special room for session (computer classroom, audiovisual classroom...) | WEEKLY EFFORT FOR STUDENT | | | |
| | | | LECTURES | SEMINARS | | DESCRIPTION | Class Hours | Homework Hours | |
| 1 | 1 | Subject Introduction | X | | | | Personal Study | 1,66 | 4 |
| 1 | 2 | Current IoT Applications | | X | | | Personal Study | 1,66 | |
| 2 | 3 | IoT Systems Architectures | X | | | | Personal Study with reference material | 1,66 | 7 |
| 2 | 4 | Introduction to Case Study | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 3 | 5 | IoT Systems Architectures. Sensors and Actuators | X | | | | Personal Study with reference material | 1,66 | 7 |
| 3 | 6 | Practical Exercises Notebook - Operating Systems Configuration for Sensors and Actuators | | X | Computer Class | 2 teachers | Complete Practical Exercises Notebook | 1,66 | |
| 4 | 7 | Sensors and Actuators | X | | | | Personal Study with reference material | 1,66 | 7 |
| 4 | 8 | Practical Exercises Notebook - Operating Systems Configuration for Sensors and Actuators | | X | Computer Class | 2 teachers | Complete Practical Exercises Notebook | 1,66 | |
| 5 | 9 | Embedded Operating Systems | X | | | | Personal Study with reference material | 1,66 | 7 |
| 5 | 10 | Practical Exercises Notebook - Sensors and Actuators Programming | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 6 | 11 | Embedded Operating Systems | X | | | | Personal Study with reference material | 1,66 | 7 |
| 6 | 12 | Practical Exercises Notebook - Sensors and Actuators Programming | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 7 | 13 | Embedded Operating Systems | X | | | | Personal Study with reference material | 1,66 | 7 |
| 7 | 14 | Practical Exercises Notebook - Sensors and Actuators Programming | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |

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| 8 | 15 | Components for IoT Cloud Management | X | | | | Personal Study with reference material | 1,66 | 7 |
| 8 | 16 | Practical Exercises Notebook - Cloud Systems for IoT | | X | Computer Class | 2 teachers | Complete Practical Exercises Notebook | 1,66 | |
| 9 | 17 | Components for IoT Cloud Management | X | | | | Personal Study with reference material | 1,66 | 7 |
| 9 | 18 | Practical Exercises Notebook - Cloud Systems for IoT | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 10 | 19 | Microservices for managing IoT Clouds | X | | | | Personal Study with reference material | 1,66 | 7 |
| 10 | 20 | Practical Exercises Notebook - IoT Microservices Programming | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 11 | 21 | Microservices for managing IoT Clouds | X | | | | Personal Study with reference material | 1,66 | 7 |
| 11 | 22 | Practical Exercises Notebook - IoT Microservices Programming | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 12 | 23 | Microservices for managing IoT Clouds | X | | | | Personal Study with reference material | 1,66 | 7 |
| 12 | 24 | Practical Exercises Notebook - IoT Microservices Programming | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 13 | 25 | Microservices containerization and virtualization | X | | | | Personal Study with reference material | 1,66 | 7 |
| 13 | 26 | Practical Exercises Notebook - Microservices containerization and virtualization | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| 14 | 27 | Microservices containerization and virtualization | X | | | | Personal Study with reference material | 1,66 | 7 |
| 14 | 28 | Practical Exercises Notebook - Microservices containerization and virtualization | | X | Computer Class | | Complete Practical Exercises Notebook | 1,66 | |
| | 29 | Reto final | X | | | | Realización del reto propuesto | 1,66 | 3,6 |

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| | Subtotal 1 | 46,4 | 98,6 |
| Total 1 (Hours of class plus student homework hours between weeks 1-14) | | 145 | |

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| 15 | | Tutorías y Soporte Adicional | | | | | Realización del reto propuesto | 16 | |
| 16 | | Evaluación | | | | | | 3 | 16 |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| | | | | | | | Subtotal 2 | 3 | 32 |
| Total 2 (Hours of class plus student homework hours between weeks 15-18) | | | | | | | | 35 | |

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| TOTAL (Total 1 + Total 2) | | | | | | | | 180 | |
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