## Ubiquitous and Secure Network and Services - Redes y Servicios Ubicuos y Seguros

| Wee                                 | k: | 1 |    |   | 2 |    |   | 3 |    |   | 4  |    |   | 5 |    |   | 6  |    |     | 7   |     |     | 8   |    |     | 9     |    |       | 10    |     |     | 11  |    |     | 12  |     |     | 13  | 3  |   | 14 |    |    | 15 |     |
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|                                     |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Learning guide                      | Т  |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Unit 1: intro to ubiquitous systems |    | T |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Unit 2: aplications & services      |    |   |    | Т | T |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Unit 3: architectures & models      |    |   |    |   |   |    | T | T |    | T |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Unit 4: networks technologies       |    |   |    |   |   |    |   |   |    |   |    |    | Т | Т |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Unit 5: ubiquitous systems security |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    | Т |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
|                                     |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
|                                     |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Case study                          |    |   | CS |   |   | CS |   |   | CS |   | CS |    |   |   | CS |   | CS |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
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| Laboratory: environment             |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    | Lab | Lab | Lab |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Laboratory: basic measuring         |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     | Lab | Lab |    | Lab | Lab E | EL |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Laboratory: project                 |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       | L  | .ab l | Lab l | Lab | Lab | Lab |    | Lab | Lab | Lab | Lab | Lab | )  |   |    |    | LE | LE | LE  |
|                                     |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Presentation                        |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    | Р | Р  | Р  |    |    |     |
|                                     |    |   |    |   |   |    |   |   |    |   |    |    |   |   |    |   |    |    |     |     |     |     |     |    |     |       |    |       |       |     |     |     |    |     |     |     |     |     |    |   |    |    |    |    |     |
| Supervision                         |    |   |    |   |   |    |   |   |    |   |    | S  |   |   |    |   |    | S  |     |     |     |     |     | S  |     |       |    |       |       |     |     |     | S  |     |     |     |     |     | S  |   |    |    |    |    |     |
| Project's milestones                |    |   |    |   |   |    |   |   |    |   |    | M1 |   |   |    |   |    | M2 |     |     | M3  |     |     | M4 |     | 1     | M5 |       |       | M6  |     |     | M7 |     |     |     |     |     | M8 |   |    | M9 |    |    | M10 |

## All sessions and activities are in the presence of teachers

## Legends:

| Т   | Theory  |
|-----|---|
| CS  | Case study  |
| Lab | Laboratory session  |
| LE  | Laboratory evaluation   |
| Р   | Exhibition of the project work (by students)  |
| S   | Collective supervision: work proposal and monitoring of the groups while they develop their project.        |
| M1  | Presentation of projects to be carried out and group assignment (by teachers)                               |
| M2  | Exhibition (3-4 slides) of the requirements analysis and discussion   |
| M3  | Delivery of V1 project document: must include paragraph 3 - Delivery of a draft with the preliminary design |
| M4  | Delivery of a draft with the preliminary design corrected   |
| M5  | Delivery of V2 project document: must include paragraph 3 and 4   |
| M6  | Delivery of V3 project document: must include paragraph 3, 4 and 5 - Demonstration of a basic measurement   |
| M7  | Partial demonstration of prototype  |
| M8  | Delivery of V4 project document: must include paragraph 3, 4, 5 and 6                                       |
| M9  | Delivery of V5 project document: must include the final document - Exhibition of the project work           |
| 110 | Demonstration of prototype  |
| nts | 1 Introduction: context and executive summary   |

Project document: table of contents

- 1. Introduction: context and executive summary
- 2. State of the art
- 3. Requirements analysis
- 4. Design
- 5. Scheduling
- 6. Implementing and testing
- 7. Conclusions
- 8. References