Universitat de les Illes Balears

# Teaching guide

| | |
|---|---|
| Academic year | 2015-16 |
| Subject | 22374 - Computer Laboratory |
| Group | Group 4, 1S, GMIT, GTTT |
| Teaching guide | A |
| Language | English |

## Subject identification

| | |
|---|---|
| **Subject** | 22374 - Computer Laboratory |
| **Credits** | 2.4 de presencials (60 hours) 3.6 de no presencials (90 hours) 6 de totals (150 hours). |
| **Group** | Group 4, 1S, GMIT, GTTT (Campus Extens) |
| **Teaching period** | First semester |
| **Teaching language** | English |

### Professors

| **Lecturers** | **Horari d'atenció als alumnes** | | | | | |
|---|---|---|---|---|---|---|
| | **Starting time** | **Finishing time** | **Day** | **Start date** | **Finish date** | **Office** |
| Antoni Jaume Capó<br>antoni.jaume@uib.es | 16:30 | 17:30 | Thursday | 01/09/2015 | 08/02/2016 | D221 Anselm Turmeda |
| | 12:30 | 13:30 | Tuesday | 08/02/2016 | 30/07/2016 | D221, Anselm Turmeda |
| Ramon Mas Sansó<br>ramon.mas@uib.es | 12:00 | 13:00 | Wednesday | 16/09/2015 | 31/07/2016 | 143. Anselm Turmeda |

## Contextualisation

The course "Laboratori d'Informàtica" is a required subject in the fourth year of the Degree in Telematics Engineering. I ts main objective is the strengthening of the programming skills attained throughout the previous years in this degree. Therefore, the proposed program focuses on the development of a computer application in all its stages.

The student willapply theconcepts acquired in the subjects of Programming, Advanced Programming and Software Engineering and Databases.

## Requirements

### Essential requirements

Programming skills

## Skills

Mainly, programming skills are reinforced



Date of publication: 09/07/2015

### Specific

* CG12.

### Generic

* CC7.
* CG9.
* CG10.
* CG11.

### Basic

* You may consult the basic competencies students will have to achieve by the end of the degree at the following address: http://www.uib.eu/study/grau/Basic-Competences-In-Bachelors-Degree-Studies/

## Content

### Theme content

1. Development processes
2. Usability and accessibility
3. Analysis, design, coding and validation of an application

## Teaching methodology

This section describes the activities of overall effortdevoted to the subject in order to develop and assess the skills described previously.

### In-class work activities

| Modality | Name | Typ. Grp. | Description | Hours |
|---|---|---|---|---|
| Theory classes | Lectures | Large group (G) | Using the expository method, the teacher will establish the theoretical and practical foundations for the achievement of the subject. | 15 |
| Laboratory classes | Laboratory sessions | Medium group (M) | Project development | 45 |

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Campus Extens platform.

### Distance education work activities



Date of publication: 09/07/2015

| Modality | Name | Description | Hours |
|---|---|---|---|
| Group or individual self-study | Memorandum | Project and application documentation | 80 |
| Group or individual self-study | Project development | Implementation of a software project, from guided to autonomous work | 10 |

### Specific risks and protective measures

The learning activities of this course do not entail specific health or safety risks for the students and therefore no special protective measures are needed.

## Student learning assessment

The student will receive a grade for each assessment activity, which will be weighted according to their relative weight in order to get the overall rating of the course.

Students who have not obtained a rating greater than or equal to five in all the activities will be able to recover them in the recovery period.

If plagiarism of the work is detected (in either source code or documentation) or a part of it, you will fail the course and there won't be anychance of recovery.

### Memorandum

| | |
|---|---|
| Modality | Group or individual self-study |
| Technique | Papers and projects **(retrievable)** |
| Description | Project and application documentation |
| Assessment criteria | Clarity, correctness and organization |

Final grade percentage: 40%

### Project development

| | |
|---|---|
| Modality | Group or individual self-study |
| Technique | Papers and projects **(retrievable)** |
| Description | Implementation of a software project, from guided to autonomous work |
| Assessment criteria | Applied concepts, correctness, clarity, reuse |

Final grade percentage: 60%

## Resources, bibliography and additional documentation

Material provided by lecturer

### Basic bibliography



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