Syllabus

Subject

Subject / Group	22374 - Computer Laboratory / 4
Degree	Double Degree in Mathematics and Telematics - Sixth year Degree in Telematics Engineering - Fourth year
Credits	6
Period	1st semester
Language of instruction	English

Professors

Lecturers	Office hours for students					
	Starting time	Finishing time	Day	Start date	End date	Office / Building
Ramon Mas Sansó *Responsible* ramon.mas@uib.es	09:00	10:00	Thursday	09/09/2019	01/07/2020	Edifici Anselm Turmeda. Despatx 143

Context

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

Programming skills

Skills

Specific

* CG12

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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

Range of topics

1. Development processes
2. Agile methodologies
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 (2.4 credits, 60 hours)

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 Aula Digital platform.

Distance education tasks (3.6 credits, 90 hours)

Modality	Name	Description	Hours
Group or individual self-study	Project development	Implementation of a software project, from guided to autonomous work	70

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Modality	Name	Description	Hours
Group or individual self-study	Memorandum	Project and application documentation	20

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.

Frau en elements d'avaluació

In accordance with article 33 of Regulation of academic studies, "regardless of the disciplinary procedure that may be followed against the offending student, the demonstrably fraudulent performance of any of the evaluation elements included in the teaching guides of the subjects will lead, at the discretion of the teacher, a undervaluation in the qualification that may involve the qualification of "suspense 0" in the annual evaluation of the subject".

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%

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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%

Resources, bibliography and additional documentation

Material provided by lecturer

Basic bibliography

Provided by lecturer

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