Universitat de Lleida

DEGREE CURRICULUM
SYSTEMS INTEGRATION III

Academic year 2013-14

SYSTEMS INTEGRATION III 2013-14

Subject's general information

Subject name	Systems Integration III
Code	102132
Semester	2n Q Continued Evaluation
Typology	Optative
ECTS credits	6
Theoretical credits	0
Practical credits	0
Department	Computer Science and Industrial Engineering
Important information on data processing	Consult this link for more information.
Distribution of credits	Josep Argelich Romà 3 Jordi Planes Cid 3

SYSTEMS INTEGRATION III 2013-14

Josep Argelich Romà
Jordi Planes Cid

Learning objectives

See Competences section.

Competences

UdL2. Knowledge of an foreign language.

UdL3. Knowledge of ICT.

EPS4. Have the learning abilities needed to start superior studies or improve the academic learning with a certain autonomous degree.

EPS9. Ability to work in teams, both as a unidisciplinary and multidisciplinary.

GEEIA24. Ability to design analog , digital and power electronic systems.

GEEIA25. Knowledge and capacity for modeling and simulation.

EEIA27. Knowledge of principles and applications of robotic systems.

Subject contents

Action and perception systems.

Artificial vision techniques.

Visual control.

Microrobotics.

Teleoperation.

Mobile robots.

Industrial robots.

Methodology

The subject is oriented to put in practice integrated systems through a project that will be developed during the course in several phases.

The projects will be developed distributing jobs in work teams.

Evaluation

Written tests (40%)

Practice tests (30%)

Practices (30%)

Learning activities

Face to face activities (40%): The percentages associated to each one of the activities are computed over 100%

Master class (42,5%)

Problems (25%)

Laboratory (25%)

Tests and evaluation (7,5%)

Autonomous work (60%): The percentages associated to each one of the activities are computed over 100%

Work (40%)

Cases of study (10%)

Study (40%)

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