Universida_de_Vigo

IDENTIFYING DATA
Master dissertation

Subject	Master dissertation			
Code	V05M185V01301			
Study programme	Máster Universitario en Visión por Computador			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	30	Mandatory	2nd	1st
Teaching language	English			
Department				
Coordinator				
Lecturers	Alba Castro, José Luis Balado Frías, Jesús Baptista Rios, Marcos Cabaleiro Barciela, Bernardo Martínez Sánchez, Joaquín Pérez Cabo, Daniel Saez Tort, Margarita Soilán Rodríguez, Mario			
E-mail				
Web	http://imcv.eu			
General description	The main objective of the TFM is the analysis, design, implementation and validation of a project, carried out individually, related to computer vision. It can be developed in a company or entity with proven experience in R & D & i projects, being tutored by a professional in the field. The project must provide innovation components that go beyond the simple development of an application, service or standard line of business. The TFM must promote the contribution of added value by the student in innovative projects and their direct relationship with the labor market or with some cutting-edge research aspect.			

Training and Learning Results

Code	
A4	CB9 Students should be able to communicate their findings - and the ultimate knowledge and reasons behind them - to specialist and non-specialist audiences in a clear and unambiguous manner
B2	Ability to analyse the needs of a company in the computer vision field and determine the best technical solution for it
B3	Ability to develop computer vision systems depending on the existent needs and apply the most suitable technological tools
B4	Capacity for critical analysis and rigorous evaluation of technologies and methodology
B5	Ability to identify unsolved problems and provide innovative solutions
B6	Ability to identify theoretical results or new technologies with innovative potential and turn them into products and services useful to society
C4	To conceive, develop and evaluate complex computer vision systems
C8	To communicate and disseminate research results and conclusions
D1	To practice the profession with a clear awareness of its human, economic, legal and ethical dimensions and with a clear commitment to quality and continuous improvement
D2	Capacity for teamwork, organization and planning
D3	Development of the innovative and entrepreneurial spirit

Expected results from this subject

Expected results from this subject	Training and Learning Results

New		A4
		B2
		B3
		B4
		B5
		B6
		C4
		C8
		D1
		D2
		D3

Contents

Topic
The Master's Thesis will consist of an original exercise carried out individually, consisting of a research or innovation project related to computer vision. The project may be carried out at the proposal of a company, public organization, university, research center or technology center that has signed a collaboration agreement with some of the universities participating in the master's degree or in a research group of the USC, UDC, UVigo or UPorto. In all cases, the TFM will be tutored by professors from the departments involved in the teaching of the Master, or by doctoral professors from the participating universities who have the authorization of the Interuniversity Academic Committee.

Planning

	Class hours	Hours outside the classroom	Total hours
Mentored work	29	720	749
Essay	1	0	1

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Mentored work	The tutors will guide the work with face-to-face or on-line meetings.

Personalized assistance

Methodologies	Description
Mentored work	

Assessment

	Description	Qualification		Training and Learning Results		
Essay	Written work 70%	100	A4	B2	C4	D1
				B3	C8	D2
	Presentation and defense 30%			B4		D3
				B5		
				B6		

Other comments on the Evaluation

Plan of Contingency for alternative stages:

On-line meetings and final assessment can be done on-line due to exceptional causes

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations

Other comments
Before the defense of the MT all the matters have to be surpassed