Teaching Guide					
Identifying Data					2021/22
Subject (*)	Final Year Dissertation			Code	614535016
Study programme	Máster Universitario en Visión por Computador				
Descriptors					
Cycle	Period	Year		Type	Credits
Official Master's Degree	2nd four-month period	Second		Obligatory	30
Language	English				
Teaching method	Face-to-face				
Prerequisites					
Department					
Coordinador			E-mail		
Lecturers			E-mail		
Web					
General description	The main objective of the Master's Thesis 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 supervised by a professional in the field. The project must approach innovation components that go beyond the mere development of an application, service or standard line of business. The MT must promote the contribution of added value by the student in innovative projects, and its direct relationship with the labor market or with some aspect of cutting-edge research.				
Contingency plan	1. Modifications to the contents No changes 2. Methodologies If face-to-face approach is not possible, both tutoring and defense could be done remotely. 3. Mechanisms for personalized attention to students If face-to-face approach is not possible, both tutoring and defense could be done remotely. 4. Modifications in the evaluation No changes 5. Modifications to the bibliography or webgraphy No changes				

Study programme competences / results	
Code	Study programme competences / results
A4	CE4 - To conceive, develop and evaluate complex computer vision systems
A8	CE8 - To communicate and disseminate the results and conclusions of research in the field of computer vision
B4	CB9 - That students are 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
B7	CG2 - Ability to analyze a company's needs in the field of computer vision and determine the best technological solution for it
B8	CG3 - Ability to develop computer vision systems depending on existing needs and apply the most appropriate technological tools
B9	CG4 - Ability to critically analyze and rigorously evaluate technologies and methodology
B10	CG5 - Ability to identify unsolved problems and provide innovative solutions

B11	CG6 - Ability to identify theoretical results or new technologies with innovative potential and convert them into products and services useful to society
C1	CT1 - 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
C2	CT2 - Ability to work as a team, organize and plan
C3	CT3 - Development of the innovative and entrepreneurial spirit

Learning outcomes			
Learning outcomes	Study programme competences / results		
The main objective of the MT 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 co-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 MT must promote the contribution of added value by the student in innovative projects and its direct relationship with the labor market or with some cutting-edge research aspect.	AC4 AC8	BC4 BC7 BC8 BC9 BC10 BC11	CC1 CC2 CC3

Contents	
Topic	Sub-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 proposed by a Company, Public Entity, University, Research Center or Technological Center that signed a collaboration agreement with some of the Universities participating in the Master, or in a Research Group of the USC, UDC, UVigo or UPorto.	In all cases, the MT will be supervised or co-supervised by PhD professors belonging to the departments involved in the teaching, or by other PhD professors from the participating universities who have the authorization of the Inter-University Academic Commission.

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Oral presentation	A8 B4 B9	1	14	15
Supervised projects	A4 A8 B4 B7 B8 B9 B10 B11 C1 C2 C3	14	721	735
Personalized attention		0	0	0
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Oral presentation	The Master's Thesis will be presented and defended before an evaluation committee established by the Academic Commission for each call.
Supervised projects	The student must do an original and individual work of analysis, design, implementation and evaluation, with innovative components, on a topic related to computer vision. The work developed will be governed by the objectives established in a preliminary project approved by the Master's Academic Commission, and by the personalized attention provided by the tutors in charge of the direction. Finally, the student must describe the work carried out in a report, following the established format, which will be presented for evaluation by the evaluation committee.

Personalized attention	
Methodologies	Description

Supervised projects Oral presentation	During the development of the work, the student will receive personalized attention from the tutor(s). Personalized attention is essential to define, guide, supervise and delimit the work, as well as to prepare the oral presentation and evaluation.

Assessment			
Methodologies	Competencies / Results	Description	**Qualification**
Supervised projects	A4 A8 B4 B7 B8 B9 B10 B11 C1 C2 C3	Adequacy to the objectives defined in the preliminary project Quality of the developed work Clarity and quality of the report	70
Oral presentation	A8 B4 B9	Quality of the presentation Response to questions from the evaluation committee	30

Assessment comments

Sources of information	
Basic	A biblografía será específica para cada tema e proxecto concreto e será achegada en cada caso polos responsables da tutoría.
Complementary	

Recommendations
Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.