

		Teachin	ng Guide		
	Identifyir	ng Data			2020/21
Subject (*)	Human Action Recognition Code 614535006			614535006	
Study programme	Máster Universitario en Visión po	or Computador			
		Desci	riptors		
Cycle	Period	Ye	ear	Туре	Credits
Official Master's Degre	ee 2nd four-month period	Fi	rst	Optional	3
Language	English				
Teaching method	Hybrid				
Prerequisites					
Department	Ciencias da Computación e Tecr	noloxías da Info	ormación		
Coordinador	Ortega Hortas, Marcos		E-mail	m.ortega@udc.e	es
Lecturers	Barreira Rodriguez, Noelia		E-mail	noelia.barreira@	≀udc.es
	Ortega Hortas, Marcos			m.ortega@udc.e	es
Web					
General description					
	 2. Methodologies *Teaching methodologies that and All of them. *Teaching methodologies that and If necessary, all the used method Teams, etc.) 3. Mechanisms for personalized a Continuous attention in Teams, N 4. Modifications in the evaluation Not necessary. *Evaluation observations: None. 	e modified dologies could b attention to stud Moodle and ema	dents	non-presential basis with t	he available tools (Moodle,

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dgements



B11	CG6 - Ability to identify theoretical results or new technologies with innovative potential and convert them into products and services useful	
	to society	
B12	CG7 - Ability to learn autonomously for specialization in one or more fields of study	
C3	CT3 - Development of the innovative and entrepreneurial spirit	

Learning outcomes			
Learning outcomes	Stud	y progra	amme
	COI	npetenc	ces /
		results	
Knowledge of recognition techniques applied to the recognition of people, and body parts.	AC2	BC3	CC3
	AC3	BC7	
	AC4	BC11	
	AC9	BC12	
Analysis and evaluation of human action recognition applications	AC2	BC3	CC3
	AC3	BC7	
	AC4	BC11	
	AC9	BC12	
Development of tools based on advanced technologies for recognition of human actions	AC2	BC3	CC3
	AC3	BC7	
	AC4	BC11	
	AC9	BC12	

	Contents
Торіс	Sub-topic
Detection and tracking of people.	
Detection and monitoring of faces, extremities, and other	
features of interest.	
Recognition of postural and behavioral patterns.	
Applications of the recognition of human actions.	

	Plannin	g		
Methodologies / tests	Competencies /	Teaching hours	Student?s personal	Total hours
	Results	(in-person & virtual)	work hours	
Laboratory practice	A4 A9 B3	6	21	27
Supervised projects	B7 B11 C3	4	12	16
Guest lecture / keynote speech	A2 A3 B12	11	18	29
Personalized attention		3	0	3
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

	Methodologies	
Methodologies	Description	
Laboratory practice	Practice in computer classrooms, learning based on the resolution of practical cases, combining work and autonomous	
	learning with group work for cooperative learning	
Supervised projects	Realization of presentations of project-oriented work	
Guest lecture /	Participatory master classes	
keynote speech		

	Personalized attention
Methodologies	Description



Supervised projects	Attention to the challenges that are exposed to the students both in the practices and in the works exposed to us.
Laboratory practice	

		Assessment	
Methodologies	Competencies /	Description	Qualification
	Results		
Guest lecture /	A2 A3 B12	Demonstration of application of knowledge taught in class	30
keynote speech			
Supervised projects	B7 B11 C3	Practical projects related to the subject	40
Laboratory practice	A4 A9 B3	Applied case development practices	30

Assessment comments

	Sources of information
Basic	
Complementary	

Recommendations
Subjects that it is recommended to have taken before
Fundamentals of Machine Learning for Computer Vision /614535007
Fundamentals of Image Processing and Analysis /614535001
Image Description and Modeling/614535004
Subjects that are recommended to be taken simultaneously
Visual Recognition/614535005
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.