

<b>COURSE: Multimedia</b>		
<b>DEGREE: Computer Science and Engineering</b>	<b>YEAR: 4</b>	<b>TERM: 1</b>

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 6,5h)
1	1	Presentation Introduction to Multimedia. Multimedia vs. Hipermedia	X			Review of contents	1,66	6,5
	2	Block 1. Digitization of multimedia content			Face-to-face class	Review of contents	1,66	
2	3	Block 1. Voice and audio coding	X			Review of contents	1,66	6,5
	4	Block 1. Introduction to the case study (coding)			Face-to-face class	Review of contents	1,66	
3	5	Block 1. Image and video encoding	X			Review of contents	1,66	6,5
	6	Block 1. Segmentation and pre-processing (I)		X	Face-to-face class	Work in laboratory practice	1,66	
4	7	Block 1. Segmentation and pre-processing (II)	X			Review of contents	1,66	6,5
	8	Block 1. Image descriptors			Face-to-face class	Review of contents	1,66	
5	9	Block 1. Sorting images	X			Review of contents	1,66	6,5
	10	Block 1. Introduction to the case study (classification)		X	Face-to-face class	Work in laboratory practice	1,66	
6	11	Block 1. Case study. Phases 1-2: Extraction of characteristics.	X			Review of contents	1,66	6,5
	12	Block 1. Practical case. Phase 3: Training and classification.		X		Work in laboratory practice	1,66	
7	13	Block 1. Practical case. Phase 4: Evaluation of system performance.	X			Revisar conceptos	1,66	6,5
	14	Block 1. Practical case. Final analysis of the practical case.		X	Face-to-face class	Work in laboratory practice	1,66	
8	15	Block 1. Final review of block 1.	X	X		Final Review Lab project (Block 1)	1,66	6,5
	16	Block 2. Introduction to the practical case. Work methodology and generic RI architectures			Face-to-face class	Work in laboratory practice	1,66	
9	17	Block 2. Text coding (Natural Language Processing)	X			Review of contents	1,66	6,5
	18	Block 2 Practice: Collection and preprocessing of the collection of documents to be indexed in the system		X		Work in laboratory practice	1,66	
10	19	Block 2 Text coding (Natural Language Processing)	X			Review of contents	1,66	6,5
	20	Block 2. Practice: Selection of the IR system (Lucene, Elasticsearch, etc.). Definition of architecture and processes on documents		X	Face-to-face class	Work in laboratory practice	1,66	
11	21	Block 2. Preprocessing and representation models of a collection (Boolean, vectorial model, etc.).	X			Review of contents	1,66	6,5
	22	Block 2. Practice: Construction and parameterization of the index of the collection in the IR system		X		Work in laboratory practice	1,66	
12	23	Block 2. Indexing and storage of contents.	X			Review of contents	1,66	6,5
	24	Block 2. Practice: implementation of the queries in the IR system. Analysis and debugging of queries		X		Work in laboratory practice	1,66	
13	25	Block 2. Consultation of multimedia contents	X			Review of contents	1,66	6,5
	26	Block 2. Practice: Evaluation of the IR system according to the gold standard. Error analysis		X		Work in laboratory practice	1,66	
14	27	Block 2. Evaluation Models		X	Face-to-face class	Work in laboratory practice	1,66	6,5
	28	Final review of practical cases. Block 2		X	Face-to-face class	Work in laboratory practice	1,66	
	29	Final review of practical cases. Block 2		X	Face-to-face class	Work in laboratory practice	1,66	3,25
<b>Subtotal 1</b>							<b>48</b>	<b>94</b>
<b>Total 1 (Hours of class plus student homework)</b>							<b>142</b>	
15		Tutorials, handing in, etc					3,6	-
16		Assessment					4	10
17								
18								
<b>Subtotal 2</b>							<b>8</b>	<b>10</b>
<b>Total 2 (Hours of class plus student homework)</b>							<b>18</b>	
<b>TOTAL (Maximun 160 horas)</b>							<b>160</b>	