

COURSE: Web Applications

DEGREE: Telecommunication Technology Engineering

YEAR: 4

TERM: 1

WEEKLY PLANNING									
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO if the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	Course presentation. Semantic Web and linked data: introduction, the RDF language					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
1	2	Complexity theory: basic algorithm analysis					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
2	3	Semantic Web and linked data: the SPARQL query language					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
2	4	Complexity theory: basic algorithm analysis					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
3	5	Semantic Web and linked data: SPARQL laboratory					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
3	6	Complexity theory: the P and NP classes					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7

4	7	Semantic Web and linked data: SPARQL laboratory. SPARQL exam.					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
4	8	Complexity theory: the P and NP classes					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
5	9	Data analysis in social networks					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
5	10	Big data technologies					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
6	11	Data analysis in social networks					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
6	12	Big data technologies					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
7	13	Data analysis in social networks					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
7	14	Big data technologies					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
8	15	Data analysis in social networks					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
8	16	Big data technologies					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
9	17	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
9	18	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
10	19	Natural language processing					Continue working with the practical exercises and study for the exam.	1,5	7

10	20	Natural language processing					Continue working with the practical exercises and study for the exam.	1,5	
11	21	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
11	22	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
12	23	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
12	24	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
Subtotal 1								36	84
Total 1 (Hours of class plus student homework hours between weeks 1-14)								120	
15		Tutorials, handing in, etc							
16		Assessment					Study for the exam	3	27
17									
18									
Subtotal 2								3	27
Total 2 (Hours of class plus student homework hours between weeks 15-18)								30	
TOTAL (Total 1 + Total 2. Maximum 180 hours)								150	