

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	Complexity theory: basic algorithm analysis					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
1	2	Complexity theory: basic algorithm analysis					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
2	3	Complexity theory: the P and NP classes					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
2	4	Complexity theory: the P and NP classes					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
3	5	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
3	6	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	

4	7	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
4	8	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
5	9	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
5	10	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
6	11	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
6	12	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
7	13	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
7	14	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
8	15	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
8	16	Natural language processing					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
9	17	Semantic Web and linked data: introduction, the RDF language					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
9	18	Semantic Web and linked data: the SPARQL query language					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
10	19	Semantic Web and linked data: SPARQL laboratory					Continue working with the practical exercises and study for the exam.	1,5	7

10	20	Semantic Web and linked data: SPARQL laboratory. Exam in the laboratory.					Continue working with the practical exercises and study for the exam.	1,5	
11	21	Big data technologies: introduction, the MapReduce paradigm					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
11	22	Big data technologies: the MapReduce paradigm, the HDFS file system					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	7
12	23	Big data technologies: data structures and algorithms for big data					Study class materials. Recommended readings. Work on the proposed exercises if applicable.	1,5	
12	24	Big data technologies: data structures and algorithms for big data					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	