

COURSE: Music Technologies		
DEGREE: Telecommunications Eng. & al.	YEAR: 3rd or 4th	TERM: 2nd

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audiovisual 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. 3,25h)
1	1	Course Introduction. Overview of Music Technologies.	X			Logistics, evaluation & organization of the course and overview of the contents.	1.66	3.25
2	2	Unit 0. Fundamentals of Music Processing. Perception and Cognition. Lab 0. Music acquisition and basis music procesing	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
3	3	Unit 0. Fundamentals of Music Processing. Perception and Cognition. Lab 0. Music acquisition and basis music procesing	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
4	4	Unit 1. Music Description and Interpretation (representations and description methods of the fundamental aspects or facets of music -pitch, temporal, harmonic, timbral, editorial, textual and bibliographic-). Lab1. Computation aspects of the facets of music	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
5	5	Unit 1. Music Description and Interpretation (representations and description methods of the fundamental aspects or facets of music -pitch, temporal, harmonic, timbral, editorial, textual and bibliographic-). Lab1. Computation aspects of the facets of mus	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
6	6	Unit 2. Methods for music processing (audio effects, gender and instrumental classification, source separation, singing-voice processing, transcription, synthesis, composition, etc.) Lab 2. Music processing and manipulation.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
7	7	Unit 2. Methods for music processing (audio effects, gender and instrumental classification, source separation, singing-voice processing, transcription, synthesis, composition, etc.) Lab 2. Music processing and manipulation.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
8	8	Unit 3. Music information Retrieval (music search, retrieval and access to music contents). Lab 3. Music feature extraction.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25

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. 3,25h)
9	9	Unit 3. Music information Retrieval (music search, retrieval and access to music contents). Lab 3. Music feature extraction.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
10	10	Unit 4. User profiling and Music Recommendation. Lab 4. Music recommendation.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
11	11	Final Project.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
12	12	Final Project.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
13	13	Final Project.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
14	14	Final Project.	X		X	Revision of the topics explained in class and lab materials.	1.66	3.25
	15	Additional session					1.66	3.25
Subtotal 1							25	49
Total 1 (Hours of class plus student homework)							74	
15		Tutorials, handing in, etc					1.8	-
16		Assessment					4	4
17								
18								
Subtotal 2							6	4
Total 2 (Hours of class plus student homework)							10	
TOTAL (<i>Maximun 83 horas</i>)							83	