

COURSE: Natural Language Processing		
DEGREE:	YEAR: 4	TERM: 2

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)
1	1	Course Introduction	x		Computer Room	Review material and programming scripts	1,66	3,25
2	2	Document Preprocessing: tokenization, punctuation removal, stemming, and lemmatization	X		Computer Room	Review material and programming scripts	1,66	3,25
3	3	Document Preprocessing with the NLTK library		X	Computer Room	Review material and programming scripts	1,66	3,25
4	4	Gaussian Mixture Models over TF-IDF encoded documents	X		Computer Room	Review material and programming scripts	1,66	3,25
5	5	Introduction to Topic models		X	Computer Room	Review material and programming scripts	1,66	3,25
6	6	Topic Models with the Gensim library	X		Computer Room	Review material and programming scripts	1,66	3,25
7	7	Lab Project I		X	Computer Room	Review material and programming scripts	1,66	3,25
8	8	Neural Networks and Recurrent Neural Networks	X		Computer Room	Review material and programming scripts	1,66	3,25
9	9	Training Neural Networks with Pytorch		X	Computer Room	Review material and programming scripts	1,66	3,25
10	10	Training word embeddings with Pytorch	X		Computer Room	Review material and programming scripts	1,66	3,25
11	11	Language models with Recurrent Neural Networks		X	Computer Room	Review material and programming scripts	1,66	3,25
12	12	Training a Recurrent Neural Network Language Model	X		Computer Room	Review material and programming scripts	1,66	3,25
13	13	Lab Project II		X	Computer Room	Review material and programming scripts	1,66	3,25
14	14	Sequence to Sequence. Automatic Machine Translation	X		Computer Room	Review material and programming scripts	1,66	3,25
	15	Additional session: Paper presentations		X		Review material and programming scripts	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								
17		Assessment					4	4
18								
Subtotal 2							6	4
Total 2 (Hours of class plus student homework)							10	
TOTAL (<i>Maximun 83 horas.</i>)							83	