



COURSE: Computer Applications for Finance		
DEGREE: Finance and Accounting	YEAR: 4th	TERM: 2nd

WEEKLY PLANNING								
WE EK	SE SSION	DESCRIPTION	GROUPS		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECT URES	SEMI NAR		DESCRIPTION	CLAS S HOUR S	HOME WORK HOUR S Maxim um 7 H
1	1	Introduction	X				1,5	
1	2	Introduction to data-mining software		X	computer lab.		1,5	
2	3	Financial Data Pre-processing	X				1,5	
2	4	Practice on data pre-processing		X	computer lab.		1,5	
3	5	Data Mining for Finance	X				1,5	
3	6	Practice on data-mining		X	computer lab.		1,5	
4	7	Evaluation Metrics for data ming in Finance	X				1,5	
4	8			X	computer		1,5	

		Practice on data-mining			lab.		
5	9	Classification Techniques I Decision Trees Instance-based learning Applications to Credit Rating	X				1,5
5	10	Practice on credit rating		X	computer lab.		1,5
6	11	Classification Techniques II Bayesian algorithms Neural Networks Applications to Fraud Detection	X				1,5
6	12	Practice on credit rating (cont.)		X	computer lab.		1,5
7	13	Regression Techniques Classical regression Regression rules and regression trees	X				1,5
7	14	Practice on regression techniques		X	computer lab.		1,5
8	15	Time Series Prediction Time series pre-processing Sliding window validation	X				1,5
8	16	Practice on time series prediction		X	computer lab.		1,5
9	17	Mid-term evaluation	X				1,5
9	18	Practice on time series prediction(2)		X	computer lab.		1,5
10	19	Clustering Techniques	X				1,5
10	20	Practice on clustering techniques		X	computer lab.		1,5

11	21	Relational Data-Mining	X				1,5		
11	22	Final project introduction		X	computer lab.		1,5		
12	23	Other data-mining techniques for finance Text,mining of financial sites	X				1,5		
12	24	Work on final project		X	computer lab.		1,5		
13	25	Data-mining application assessment	X				1,5		
13	26	Work on final project		X	computer lab.		1,5		
14	27	Review and final exam preparation	X				1,5		
14	28	Final project evaluation		X	computer lab.		1,5		
SUBTOTAL							42	+ 68	
							= 110		
15		Tutorials, handing in, etc							
16-18		Assessment					3		
TOTAL							150		