

Business Intelligence and Applications 2024				
date	time	topics	assignment	demo
19-Feb-24	13.30-15.00	Course intro, BI overview		
	15.30-17.00	Database fundamentals, data models, relational model		
26-Feb-24	13.30-15.00	Keys and constraints. Query languages. Examples		
	15.20-16.50	Database design phases, ER model		
4-Mar-24	13.30-15.00	ER model		
	15.20-16.50	ER exercises		ERDplus
11-Mar-24	13.30-15.00	Intro to OLAP & data warehouses	ER	
	15.20-16.50	Multidimensional models for DWs		Excel
18-Mar-24	13.30-15.00	Exercises on DW. Data mining intro.	Review of ER	
	15.20-16.50	Data representation.	Tableau	Tableau
25-Mar-24	13.30-15.00	Machine Learning. Classification.		
	15.20-16.50	Exercises on classification.		
1-Apr-24	13.30-15.00	NO LECTURE		
	15.20-16.50			
8-Apr-24	13.30-15.00	Association rules. Exercises.		
	15.20-16.50	Clustering. Exercises.		Weka
15-Apr-24	13.30-15.00	Midterm test		
	15.20-16.50			
22-Apr-24	13.30-15.00	Networks basics.		Weka
	15.20-16.50	Network centrality.	DM	
29-Apr-24	13.30-15.00	Exercises. Social data mining.	Tableau pres.	
	15.20-16.50	Small worlds.		
6-May-24	13.30-15.00	Exercises. Recap.		Gephi
	15.20-16.50	Big Data: intro	Review of DM	Cytoscap
13-May-24	13.30-15.00	Hadoop, MapReduce		
	15.20-16.50	Ranking	SN	
20-May-24	13.30-15.00	NO LECTURE		
	15.20-16.50			
27-May-24	13.30-15.00	Algorithms and exercises		
	15.20-16.50	Recap		