Topics	Specific Content	Date	week
Introduction	Introduction related technologies overview of data mining tasks	8/29	week 1
Preliminaries	data and attributes	8/29	week 1
	data preprocessing (slides)	9/5	week 2
	holiday	9/12	week 3
	evaluation using Weka (slides)	9/12 (hw1 assigned)	week 3
Data mining algorithms: association rules	motivation and terminology (slides) example and basic idea: item sets	9/19	week 4
	generate item sets and efficient rules (slide1 slide2)	9/19, 9/26	week 4,5
	correlation analysis (slides) experiments with Weka (slides)	9/26 (hw2 assigned; hw1 due)	week 5
Data mining algorithms: categorization	basic learning/mining tasks	10/3	week 6
	inferring rudimentary rules (slide)	10/10	
	midterm review	10/10	week 7
	midterm exam	10/10	week 7
	decision trees (slide)	10/18, 10/24	week 8
	covering rules (slide) experiments with Weka	10/24 10/31 (hw3 assigned; hw2 due)	week 9
Data mining algorithms: clustering	basic issues in clustering	11/7	week 10
	first conceptual clustering system (slide)	11/7,11/14	week 10,11
	partitioning methods (slide)	11/14, 11/21	week 11,12
	hierarchical methods (slide)	11/21	week 12
	conceptual clustering experiments with Weka	11/21 11/17 (hw3 due)	week 13
IoT data	data properties	11/28	week 14
	algorithms	11/28	
	case study	12/5 (project due)	week 15
	Review for final exam	12/5	week 15
	Final exam	12/12	TBA