Topics	Specific Content	Date	week
Introduction	Introduction related technologies overview of data mining tasks (slides)	8/29, 8/31	week 1
Preliminaries	holiday	9/5	week 2
	data and attributes	9/7	week 2
	data preprocessing (slides) (notes)	9/12	week 3
	evaluation using Weka	9/14	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(slides1 slides2)	9/21 (hw1 assigned), 9/26	week 4,5
	correlation analysis (slides) experiments with Weka (slides)	9/28	week 5
Data mining algorithms: categorization	basic learning/mining tasks	10/3 (hw1 due)	week 6
	inferring rudimentary rules (slides)	10/5	week 7
	midterm review	10/10	week 7
	midterm exam	10/12	week 7
	decision trees (slides)	10/17 (hw2 assigned), 10/19	week 8
	covering rules (slides) experiments with Weka	10/24 10/26	week 9
Data mining algorithms: clustering	basic issues in clustering	10/31	week 10
	first conceptual clustering system (slides)	11/2, 11/7 (hw2 due; hw3 assigned)	week 10,11
	partitioning methods (slides)	11/9, 11/14	week 11,12
	hierarchical methods (slides)	11/16	week 12
	guest lecture with Dr. David Anastasiu from Santa Clara U.	11/21	week 13
	experiments with Weka	11/23	week 14
IoT data	data properties	11/28	week 14
	algorithms	11/30 (hw3 due)	
	case study	12/5 (project due)	week 15
	Review for final exam	12/7	week 15
	Final exam	12/12	TBA