Topics	Specific Content	Date	week
Introduction	Introduction related technologies overview of data mining tasks (slides)	8/23	week 1
Preliminaries	data and attributes (slides)	8/25	week 1
	data preprocessing (slides)	8/30, 9/1	week 2
	holiday	9/6	week 3
	evaluation using Weka (slides)	9/8 (hw1 assigned)	week 3
Data mining algorithms: association rules	motivation and terminology (slides) example and basic idea: item sets	9/13	week 4
	generate item sets and efficient rules (slide1 slide2)	9/15, 9/20	week 4,5
	correlation analysis experiments with Weka	9/22 (hw2 assigned; hw1 due)	week 5
Data mining algorithms: categorization	basic learning/mining tasks inferring rudimentary rules	9/27 9/29	week 6
	midterm review	10/4	week 7
	midterm exam	10/6	week 7
	decision trees	10/11, 10/13	week 8
	covering rules experiments with Weka	10/18 10/20 (hw3 assigned; hw2 due)	week 9
Data mining algorithms: clustering	basic issues in clustering	10/25	week 10
	first conceptual clustering system	10/27,11/1	week 10,11
	partitioning methods	11/3, 11/8	week 11,12
	hierarchical methods	11/10	week 12
	conceptual clustering experiments with Weka	11/15 11/17 (hw3 due)	week 13
IoT data	data properties algorithms	11/22 11/24	week 14
	case study	11/29 (project due)	week 15
	Review for final exam	12/1	week 15
	Final exam	12/6	10:10am - 12:10pm