

Course Syllabus and Schedule

Created by Jiang, Meng, last modified by Wang, Xuan on Jun 04, 2017

Class Schedule (Summer 2017)

11:00 a.m. - 12:15 p.m. Monday/Tuesday/Thursday @ 0216 SC

This page provides our tentative class schedule for CS412 Summer 2017: An Introduction to Data Warehousing and Data Mining.

The schedule will be modified slightly based on the progress of the class.

TAs: Sheng Wang [swang141@illinois.edu], Xuan Wang [xwang174@illinois.edu]

Office hours: Dr. Meng Jiang 12:15 p.m. - 01:00 p.m., Monday Thursday @ 2130 SC; TAs 03:00 p.m. - 04:00 p.m., Monday @ 2113 SC

Lecture recording: <https://recordings.engineering.illinois.edu:8443/ess/portal/section/b877eb8f-1c42-4cbe-af89-a8344c5e0f7e>

Piazza: <https://piazza.com/class/j2pkfesw6u67z>

Compass: https://compass2g.illinois.edu/webapps/blackboard/content/listContentEditable.jsp?content_id=_2629762_1&course_id=_31753_1

Week#	Date	Lecture#	Topic	Slides (Summer 2017 and Fall 2016)	Assignment Released	Assignment Due	Lecture Notes (3rd ed.)
1	05/30/17 (T)	1	Class Outline / Chapter 1: Introduction	Chapter 1. Introduction pdf version Fall16-Chapter 1. Introduction Fall16-pdf version			Chapter 1. Introduction
1	06/01/17 (R)	2	Chapter 2: Know Your Data	Chapter 2. Know Your Data pdf version Fall16-Chapter 2. Know Your Data Fall16-pdf version			Chapter 2. Know Your Data
2	06/05/17 (M)	3	Chapter 2: Know Your Data		Assignment 1		Chapter 2. Know Your Data (Additional Material)
2	06/06/17 (T)	4	Chapter 3: Data Preprocessing	Chapter 3. Data Preprocessing pdf version Fall16-Chapter 3. Data Preprocessing Fall16-pdf version			Chapter 3. Data Preprocessing
2	06/08/17 (R)	5	Chapter 3: Data Preprocessing				
3	06/12/17 (M)	6	Chapter 3: Data Preprocessing / Chapter 4: Data Warehousing and OLAP	Chapter 4. Data Warehousing and OLAP pdf version Fall16-Chapter 4. Data Warehousing and OLAP Fall16-pdf version			Chapter 4. Data Warehousing and OLAP
3	06/13/17 (T)	7	Chapter 4: Data Warehousing and OLAP				
3	06/15/17 (R)	8	Chapter 5: Data Cube Technology	Chapter 5. Data Cube Technology pdf version Fall16-Chapter 5. Data Cube Technology Fall16-pdf version	Assignment 2	Assignment 1 Due	Chapter 5. Data Cube Technology
4	06/19/17 (M)	9	Chapter 5: Data Cube Technology				

Week#	Date	Lecture#	Topic	Slides (Summer 2017 and Fall 2016)	Assignment Released	Assignment Due	Lecture Notes (3rd ed.)
4	06/20/17 (T)	10	Chapter 6: Mining Frequent Patterns and Associations: Basic Concepts	Chapter 6. Mining Frequent Patterns and Associations: Basic Concepts pdf version Fall16-Chapter 6. Mining Frequent Patterns and Associations: Basic Concepts Fall16-pdf version			Chapter 6. Mining Frequent Patterns and Associations: Basic Concepts
4	06/22/17 (R)	11	Chapter 6: Mining Frequent Patterns and Associations: Basic Concepts				
5	06/26/17 (M)	12	Chapter 6: Mining Frequent Patterns and Associations: Basic Concepts				
5	06/27/17 (T)	13	Chapter 7: Mining Frequent Patterns, Associations: Advanced Methods	Chapter 7. Mining Frequent Patterns and Associations: Advanced Methods pdf version Fall16-Chapter 7. Mining Frequent Patterns and Associations: Advanced Methods Fall16-pdf version	Assignment 3 (Programming)	Assignment 2 Due	Chapter 7. Mining Frequent Patterns and Associations: Advanced Methods
5	06/29/17 (R)	14	Chapter 7: Mining Frequent Patterns, Associations: Advanced Methods				
6	07/03/17 (M)	15	Chapter 7: Mining Frequent Patterns, Associations: Advanced Methods	A sample midterm			
6	07/04/17 (T)	-	Holiday				
6	07/06/17 (R)	16	Midterm Exam	Midterm exam time: N/A			Location: N/A
7	07/10/17 (M)	17	Chapter 7: Mining Frequent Patterns, Associations: Advanced Methods				Chapter 7. Mining Frequent Patterns and Associations: Advanced Methods (Additional Material)
7	07/11/17 (T)	18	Chapter 8: Classification: Basic Concepts	Chapter 8. Classification: Basic Concepts pdf version Fall16-Chapter 8. Classification: Basic Concepts Fall16-pdf version			Chapter 8. Classification: Basic Concepts
7	07/13/17 (R)	19	Chapter 8: Classification: Basic Concepts				
8	07/17/17 (M)	20	Chapter 8: Classification: Basic Concepts				
8	07/18/17 (T)	21	Chapter 8: Classification: Basic Concepts / Chapter 9: Classification: Advanced Methods	Chapter 9. Classification: Advanced Methods pdf version Fall16-Chapter 9. Classification: Advanced Methods Fall16-pdf version	Assignment 4 (Programming)	Assignment 3 Due	Chapter 9. Classification: Advanced Methods
8	07/20/17 (R)	22	Chapter 9: Classification: Advanced Methods				
9	07/24/17 (M)	23	Chapter 9: Classification: Advanced Methods		Assignment 5		

Week#	Date	Lecture#	Topic	Slides (Summer 2017 and Fall 2016)	Assignment Released	Assignment Due	Lecture Notes (3rd ed.)
9	07/25/17 (T)	24	Chapter 9: Classification: Advanced Methods				
9	07/27/17 (R)	25	Chapter 10: Cluster Analysis: Basic Concepts	Chapter 10. Cluster analysis: Basic Concepts pdf version Fall16-Chapter 10. Clustering Analysis: Basic Concepts Fall16-pdf version			Chapter 10. Cluster analysis: Basic Concepts
9	07/28/17 (F)		P4 Research Project Due Date	hand-in e-version only	(Hand in the final project)		
10	07/31/17 (M)	26	Chapter 10: Cluster Analysis: Basic Concepts				
10	08/01/17 (T)	27	Chapter 10: Cluster Analysis: Basic Concepts		A sample final exam		
10	08/03/17 (R)	28	Chapter 10: Cluster Analysis: Basic Concepts			Assignment 4 and 5 Due	Additional reading (not covered in the exam) Chapter 13. Trends and Research Frontiers in Data Mining
10	08/04/17 (F)		Final Exam	Final exam time: N/A			Location: N/A

No labels