



## Course Weekly Outline

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<b>Title</b>	Asst. Teacher				
<b>Course Coordinator</b>	Maha Mahmood Jassam				
<b>Course Objective</b>	Provide computer science students to understand the basic-to advanced concepts related to data warehousing..				
<b>Course Description</b>	Introductory course to Data Warehouse.				
<b>Textbook</b>	Data Warehousing . Copyright 2014 by Tutorials Point (I) Pvt. Ltd.				
<b>References</b>	Data Warehousing Guide with Oracle® Database. Release 2 (11.2), E10810-02. August 2009.				
<b>Course Assessments</b>	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	15%	5 %	10	50%
<b>General Notes</b>	<b><u>PROJECTS for this Course:</u></b> <b>DW and Data Mining. DW and Integration. Dimensions.</b> <b>Materialized View. DW and Indexing. DW AI techniques.</b> <b>DW Architectures. Metadata. Extraction tools. ETL.</b>				



### Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	1/11/2015	Data Warehousing .Overview and Concepts.		
2	8/11/2015	Need for data warehousing.		
3	15/11/2015	The building blocks of a Data warehouse.		
4	22/11/2015	Architecture of Data Warehouse.		
5	29/11/2015	Metadata Management.		
6	6/12/2015	Principles of Dimension Modeling:		
7	13/12/2015	Introduction to Dimensional Modeling, Advanced Concepts.		
8	20/12/2015	ETL overview, Extraction, Loading, Transformation techniques.		
9	27/12/2015	Information Access and Delivery .		
10	3/1/2016	Matching information to classes of users, OLAP – the need. Design of the OLAP database, OLAP.		
11	10/1/2016	Design of the OLAP database, OLAP.		
12	17/1/2016	Operations: slice, dice, rollup, drill-down... etc.		
13	24/1/2016	OLAP implementations.		
14	31/1/2016	Others Analysis Techniques		
15	7/ 2/2016	Useful Applications of Data Warehouses		

**Instructor Signature:**

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