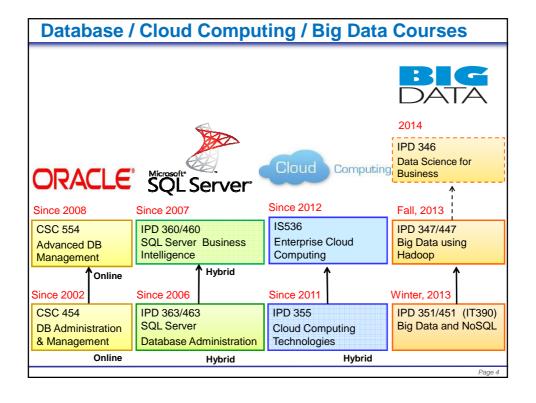
Welcome To ... Welcome To ...

Advanced Database Management

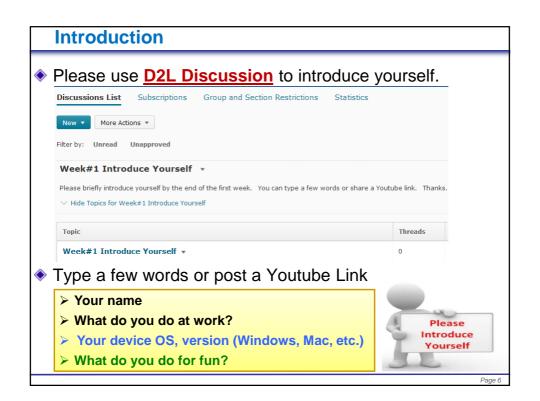








Week #1 Agenda Introduction Class Information Lecture: Data and Database



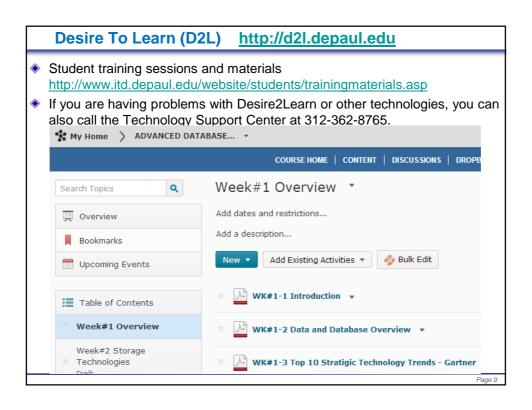
Prerequisites, Goals and Scope

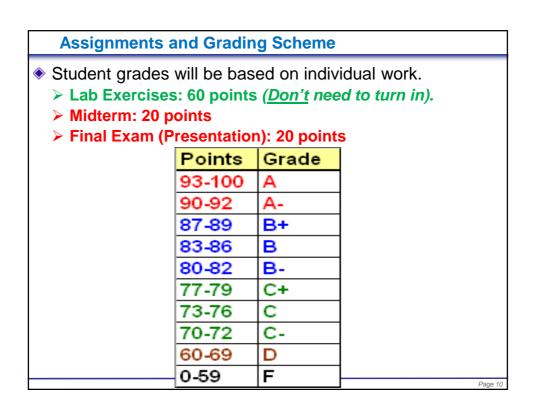
- CSC454 or equivalent
- Understanding of Basic Oracle & SQL Server Database
 - Be able to use Management Studio (SQL Server)
 - Be able to use SQL*PLUS or SQL Developer (Oracle)
- Collaborative learning
 - Learn new technologies
 - Research, discussion and present
 - Expand and share your knowledge
 - Lab & homework Learning by Doing



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Agenda and Schedule	
Week	Topics
1	Introduction, Data & Database Overview
	Top 10 Strategic Technology Trends - Gartner
2	Storage Technologies: RAID, NAS, SAN, VLT, DeDup, Cloud,etc.
3	Data Partitioning
4	Oracle 12c New Features
5	Microsoft Database new features
6	Take-home Midterm
7	Database in the Cloud
8	NoSQL
9	Big Data Overview
10	Summary, Leading in a Digital World - Gartner
11	Take-home Final Exam - NoSQL research/presentation





BYOD & DIY

- Windows 7 or 8 (64-bit is preferred)
- Software
 - SQL Server 2012 Management Studio
 - Oracle 12c SQL Plus or SQL Developer
 - Amazon Web Services Account





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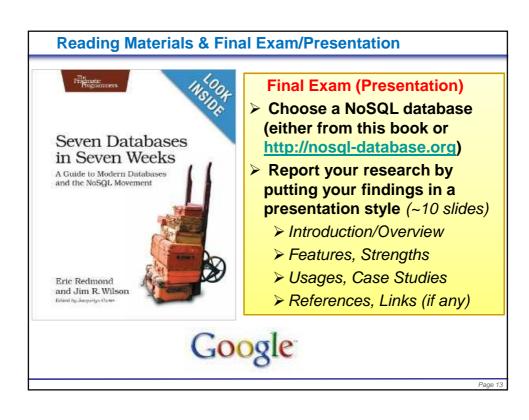
Microsoft Software

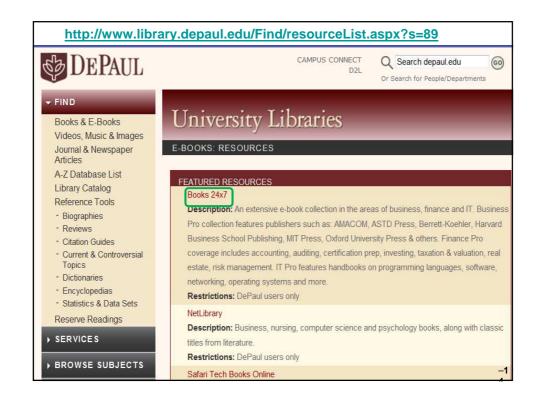
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- o Microsoft Operating Systems, SDKs and DDKs
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- Microsoft Visual Studio®
 Visual Studio 2013 and 2010
- o Microsoft Visio
 - Visio, the premiere Microsoft diagramming application for technical schematics, network, software, and database design.





Class Notes, Homework, Lab, Questions

- Class Notes
 - Will be posted in D2L
- Homework
 - Submit to D2L Dropbox
- Lab Assignment
 - Don't submit (it's for your own practice)
- Questions
 - E-mail: Put *CSC554 -topic* (example: CSC554 HW#2 Q#7) in the Subject Line
 - By appointment only CDM#706
 - Phone: Unless the above two options not working for you
 - Please don't wait until the last minute

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