Business Data Warehouse Syllabus

Course Information

Course Number/Section   MIS 6309
Course Title   Business Data Warehouse
Term   Fall 2018

Professor Contact Information

Professor   Dr. Judd D. Bradbury
Office Phone   972-883-4873
Mail Contact   e-Learning Course Messages Only (first priority)
Office Location   JSOM 3.220
Office Hours   Wednesday 4:00 – 5:00 PM

Course Description

This course provides the student with in depth knowledge of data warehousing principles, data warehouse techniques, and business intelligence systems. The course introduces the topics of data warehouse design, Extract-Transform-Load (ETL), data cubes, and data marts. Students will create business intelligence using data warehouses with several OLAP and analytical tools. SAP, Business Objects, Cognos, or other data warehousing tools will be used to illustrate data warehousing concepts.

Student Learning Objectives

1. Students will be able to describe architecture and methods for storage and provision of enterprise data.
2. Students will develop competency in query development and essential business intelligence reporting.
3. Students will demonstrate competency in data modeling, including dimensional modeling.
4. Students will learn steps involved in development of an enterprise data warehousing solution and at least one BI tool from end-to-end perspective.

Required Textbooks

The following textbooks are available electronically for free in the UT Dallas Library. Click on the link below and search for the title.

http://www.utdallas.edu/library/

Required Materials

Registration with Polleverywhere.com. Required to have a laptop with a Windows OS or students using a laptop running OSX may wish to install a PC emulator.

Course Policies

A solemn duty will be upheld by your professor to maintain a level playing field for all students.

Communication
This course utilizes online tools for interaction and communication. For more details, please visit the eLearning Tutorials webpage
http://www.utdallas.edu/elearning/students/eLearningTutorialsStudents.html for video demonstrations on eLearning tools.

Technical Requirements
In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements http://www.utdallas.edu/elearning/students/getting-started.html#techreqs on the Getting Started with eLearning webpage
http://www.utdallas.edu/elearning/students/getting-started.html.

Course Access and Navigation
The course can be accessed using the UT Dallas NetID account at: https://elearning.utdallas.edu. Please see the course access and navigation http://www.utdallas.edu/elearning/students/getting-started.html#courseaccessandnav section of the site for more information.

To become familiar with the eLearning tool, please see the Student eLearning Tutorials http://www.utdallas.edu/elearning/students/eLearningTutorialsStudents.html.
UT Dallas provides eLearning technical support 24 hours a day/7 days a week. The eLearning Support Center http://www.utdallas.edu/elearninghelp services include a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

Distance Learning Student Resources
Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the eLearning Current Students page http://www.utdallas.edu/elearning/students/cstudents.htm for details.

Server Unavailability or Other Technical Difficulties
The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online eLearning Help Desk http://www.utdallas.edu/elearninghelp. The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

Assignments & Academic Calendar

WEEK BEGIN	TOPIC/LECTURE	EXERCISE DUE DATE
1 8/20	Lecture Business Warehouse and OLAP Analysis.	**8/24**

2 8/27	Lecture BEx Query Designer.	**8/31**
3 9/3	Lecture Infoobjects, DSO, Infocubes, and Infoproviders.	**9/7**
4 9/10	Lecture Extract, Transformation, and Loading.	**9/14**
5 9/17	Lecture HANA Dimension View Modeling.	**9/21**
6 9/24	Lecture HANA Cube View Modeling.	**9/28**
7 10/1	Lecture HANA Calculation View Modeling.	**10/5**
8 10/8	**Midterm Exam Review**	**10/11**
9 10/15	Lecture HANA Design Studio.	**10/19**
10 10/22	Lecture Social Media Text Analytics.	**10/26**
11 10/29	Lecture Lumira Dashboard Design and Sentiment Analysis.	**11/2**
12 11/5	Lecture Business Intelligence / BOBJ WebI.	**11/9**
13 11/12	Lecture Data Mining & Predictive Analytics	**11/16**

14 11/19	**Fall break** **No class**	**11/23**
15 11/26	Lecture Storytelling with Tableau. **Final Exam Review**	**11/30**
16 12/3	Final Exam	**12/4**

Proctored Exam Procedures

Proctored examinations are a requirement for this course. Seats for proctored examinations are provided on the UT Dallas campus with no charge for the student. Students may also schedule their examinations at a remote testing center for a fee. Students using the UT Dallas Testing center will have a specific time that will be communicated in an announcement they are required to take the examination. Remote test takers will be provided a 48-hour window to allow global scheduling with any testing center across time zones. The remote window will always be from 1 AM CST on the opening exam day through Midnight CST of the second exam day. The exams are closed book, closed note, open mind. You will not be allowed bathroom breaks during your examination so please plan accordingly.

Students testing at UT Dallas can register their seat here:

http://www.utdallas.edu/studentsuccess/testing-center/

The UT Dallas Testing center provides passwords for all examinations. Seat assignment registration in the correct course section is a student requirement for testing.

Examity® System Requirements

- You must take the exam on a desktop computer or laptop (not a tablet, Chromebook or cell phone).
- You must have a working built-in or external webcam and microphone.
- Your Internet speed must be at least 2 Mbps download and 2 Mbps upload. Hot spots are not recommended. Determine your Internet speed by running a test at: http://www.speedtest.net

Reaching Support.

- All day and all of the night.
- Phone: 855-392-6489
- Email: support@examity.com
- Live Chat: Click on the live chat link located at the top and bottom of your Examity® portal.

Grading Policy

Weights

Assignments		40%
Midterm Exam		25%
Final Exam		25%
Class Policy Test & Quizes		10%
Total		100%

Grading Scale

Scaled Score	Letter Equivalent
>= 93	A
>= 90	A-
>= 86	B+
>= 83	B
>= 80	B-
>= 76	C+
>= 70	C
< 70	F

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

"As a Comet, I pledge honesty, integrity, and service in all that I do."

UT Dallas Syllabus Policies and Procedures

> The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.
>
> Please go to http://go.utdallas.edu/syllabus-policies for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.