University of North Texas at Dallas

Spring 2024 - SYLLABUS

BCIS 4660, Section 0001 – 3 Credit Hours

Department of	Business
Instructor Name	Alex Burnett-Hayes
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Office Hours	Wednesday 7-10 p.m (on-campus)., Thursday 7-10 p.m. (on-line) & Saturday 3-6 p.m (on-campus and on-line).
Course Format/Structure	DAL1 201H
Class Meeting Days & Times	4:00 - 6:50
Course Catalog Description	Investigates model-based approaches to the design of data warehouses. Examines their role in decision systems for business and industry.
Prerequisites	BCIS 3610; DSCI 3710/3305 or 3870; Minimum 2.70 UNTD GPA; grade of C or better in all BCIS courses
Corequisites	None
Required Text	A Manager's Guide to Data Warehousing. Edition: 1st. Publisher: Wiley Publishing, Inc. Textbook ISBN: 978-0-470-17638-2. Available at: Wiley. Note: Students will be given a free .pdf version of the textbook. Purchase is optional and at the student's discretion.
Recommended Text & References	None

Access to Learning Resources	**UNT Dallas Library:**
	    Phone: (972) 338-1616.
	    Website URL: http://www.untdallas.edu/library
	UNT Dallas Bookstore:
	    Phone: (972) 780-3652.
	    Website URL: http://www.untdallas.edu/bookstore
	    Email: untdallas@bkstr.com

Canvas Resources	Getting Help with Canvas:

Supported Browsers:
 	
• Chrome 67 & 68
• Firefox 60 & 61
• Flash 29, 30 (for audio/video)
• Respondus Lockdown Browser
• Safari 10, 11
 	
Supported Devices:
• iPhone
• Android
• Chromebook
Note: Tablet users can use the Canvas app
 	
Screen Readers:
• VoiceOver (Safari)
• JAWS (Internet Explorer)
• NVDA (Firefox)
Note: There is no screen reader support for Canvas in Chrome
	Canvas 24/7 Phone Support for Students: 1-833-668-8634
	
	Canvas Help Resources:
	
	Canvas Student Guide -
	https://community.canvaslms.com/docs/DOC-10701
	
	For additional assistance, contact Student Assistance (UNT Dallas Distance Learning):
	         DAL1, Room 157
	         Phone: 972-338-5580
	         Email: distancelearning@untdallas.edu
	
	If you are working with Canvas 24/7 Support to resolve a technical issue, please keep me updated on the troubleshooting progress.
	
	If you have a course-related issue (e.g., course content, assignment trouble, quiz difficulties), please contact me during office hours or by email.

Course Overview

Course Goals/Overview: The key objectives of the course include providing students with an overview of data warehousing and exposing them to several technological components of the data warehousing environment.

Learning Objectives/Outcomes: At the end of this course, the student will

1. Understand the essentials of data warehousing.
2. Understand the business side of data warehousing.
3. Understand how to deal with data in the data warehousing environment.
4. Understand the architecture, infrastructure, and tools necessary to build a data warehouse project.
5. Understand how to manage the production data warehouse.
6. Understand snowflake, databricks, dbt, Azure, and GCP.

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Course Outline

The instructor reserves the right to change the course outline in the best interest of the students.
Course outline changes will be communicated in Canvas.

Week	Dates	Learning Materials	Deliverables
1	01/16 – 01/21	Orientation Syllabus	Orientation & Syllabus Quiz Meet & Greet Discussion Forum
2	01/22 – 01/28	Chapter 1 Textbook Chapter 1 PPTs/Lecture Materials	Quiz #1 Group Discussion Forum #1
3	01/29 – 02/04	Chapter 2 Textbook Chapter 2 PPTs/Lecture Materials	Quiz #2 Data Camp Exercise #1
4	02/05 – 02/11	Chapter 3 Textbook Chapter 3 PPTs/Lecture Materials	Quiz #3 Group Discussion Forum #2
5	02/12 – 02/18	Chapter 4 Textbook Chapter 4 PPTs/Lecture Materials	Quiz #4 Data Camp Exercise #2
6	02/19 – 02/25	Chapter 5 Textbook Chapter 5 PPTs/Lecture Materials	Quiz #5 Group Discussion Forum #3
7	02/26 – 03/03	Chapter 6 Textbook Chapter 6 PPTs/Lecture Materials	Quiz #6 Data Camp Exercise #3
8	03/04 – 03/10		Exam #1
9	03/18 – 03/24	Chapter 7 Textbook Chapter 7 PPTs/Lecture Materials	Quiz #7 Group Discussion Forum #4
10	03/25 – 03/31	Chapter 8 Textbook Chapter 8 PPTs/Lecture Materials	Quiz #8 Data Camp Exercise #4
11	04/01 – 04/07	Chapter 9 Textbook Chapter 9 PPTs/Lecture Materials	Quiz #9 Group Discussion Forum #5
12	04/08 – 04/14	Chapter 10 Textbook Chapter 10 PPTs/Lecture Materials	Quiz #10 Data Camp Exercise #5
13	04/15 – 04/21	Chapter 11 Textbook Chapter 11 PPTs/Lecture Materials	Quiz #11 Group Discussion Forum #6
14	04/22 – 04/28	Chapter 12 Textbook Chapter 12 PPTs/Lecture Materials	Quiz #12 Data Camp Exercise #6
15	04/29 – 05/05	Chapter 13 Textbook Chapter 13 PPTs/Lecture Materials	Quiz #13 Group Discussion Forum #7
16	05/06 – 05/11		Exam #2

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Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency in the learning outcomes for the course.

- **Orientation & Syllabus Quiz**: There will be one (1) orientation & syllabus quiz to be completed in the UNT-Dallas Canvas Learning Management System. The orientation & syllabus quiz (solely based on the orientation & syllabus) includes ten (10) multiple-choice and/or True/False questions. The orientation & syllabus quiz is not timed. The orientation & syllabus quiz includes one (1) attempt. The orientation & syllabus quiz is worth a maximum of five (5) points for a maximum total of five (5) points.
- **Meet & Greet Discussion Forum**: There will be one (1) Meet & Greet Discussion Forum to be completed in the UNT-Dallas Canvas Learning Management System. For the Meet & Greet Discussion Forum students are required to make one (1) initial post (please only share what you are comfortable with) noting it would be nice if you welcomed your classmates with a response. The Meet & Greet Discussion Forum is worth a maximum of five (5) points for a maximum total of five (5) points.
- **Quizzes**: There will be thirteen (13) quizzes to be completed in the UNT-Dallas Canvas Learning Management System. Each quiz (solely based on textbook material) includes 10 multiple-choice questions and/or True/False to be answered in a 25-minute timeframe. Each quiz includes two (2) attempts. If a student chooses to take a second quiz attempt, the higher of the two (2) grades will be recorded in the grade book. Each quiz is worth a maximum of ten (10) points for a maximum total of one hundred thirty (130) points.
- **Group Discussion Forums:** There will be seven (7) group discussion forums (to be completed individually) conducted in a group discussion forum environment to be completed in the UNT-Dallas Canvas Learning Management System. The group discussion forums will initiate with an instructor-posed question. Students must make an initial post and a minimum of two reply posts to their classmates. The reply post requirement necessitates a response to two (2) different members of the class. The Group Discussion Forums will be graded according to the Group Discussion Forum grading rubric (as it appears in Canvas). Note: The purpose of the group discussion forums is to heighten collective awareness and knowledge (noting there is no wrong answer to any question posed and further we are to respect any stated opinion). Continued conversations outside of the classroom are encouraged. All posts should be well thought out and substantive (noting a minimum word count will be enforced for the initial and reply posts). Each group discussion forum is worth a maximum of ten (10) points for a maximum total of seventy (70) points. _Note: The group discussion forums may introduce new material (beyond the course textbook) and thus require students to utilize established critical thinking and research skills._

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- **Data Camp Exercises** – There will be six (6) Data Camp Exercises to be completed on the Data Camp platform as accessed through the UNT-Dallas Canvas Learning Management System. Complete Data Camp Exercise instructions appear in Canvas. Note: The purpose of the Data Camp exercises is to introduce students to various technologies, applications, and components of the data warehousing environment. For each Data Camp Exercise successfully completed, students will earn a certificate which they can include on their resumes, post on their social media profiles, and share with current or prospective employers. Each Data Camp Exercise is worth a maximum of ten (10) points for a maximum total of sixty (60) points.
- **Exams**: There will be two (2) exams to be completed in the UNT-Dallas Canvas Learning Management System. The exams (solely based on textbook material) includes 50 multiple-choice questions and/or True/False to be answered in a 150-minute timeframe. Each exam includes two (2) attempts and the highest of the two (2) grades will be recorded in the grade book. Each exam is worth a maximum of fifteen (15) points for a maximum total of thirty (30) points.

Grading Matrix:

Required Activity		Quantity	Points	Total
Orientation & Syllabus Quiz	(1.67%)	1	5	5
Meet & Greet Discussion Forum	(1.67%)	1	5	5
Quizzes	(43.33%)	13	10	130
Group Discussion Forums	(23.33%)	7	10	70
Data Camp Exercises	(20.00%)	6	10	60
Exams	(10.00%)	2	15	30
Total				300

Grade Determination:

Point Range	Letter Grade
300 - 270	A
269 - 240	B
239 - 210	C
209 - 180	D
179 - 0	F

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University Policies and Procedures

Students with Disabilities (ADA Compliance):

The University of North Texas at Dallas makes reasonable academic accommodations for students with disabilities. Students seeking accommodations must first register with the Disabilities Services Office (DSO) to verify their eligibility. If a disability is verified, the DSO will provide you with an accommodation letter to be delivered to the faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time; however, DSO notices of accommodation should be provided as early as possible in the semester to avoid any delays in implementation. Note that a student must obtain a new letter of accommodation for every semester and must meet/communicate with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect their privacy of the student. For additional information see the Disability Services Office website at http://www.untdallas.edu/disability. You may also contact them by phone at 972-338-1777; or by email at UNTDdisability@untdallas.edu on the first floor of the Student Center.

Canvas Instructure Accessibility Statement:
University of North Texas at Dallas is committed to ensuring that online and hybrid courses are usable by all students and faculty including those with disabilities. If you encounter any difficulties with technologies, please contact our ITSS Department. To better assist them, you would want to have the operating system, web browser and information on any assistive technology being used. The Canvas Instructure Accessibility Statement is provided at https://www.canvaslms.com/accessibility.

NOTE: Additional instructional technology tools, such as Turnitin, Respondus, Panopto, and publisher cartridge content (i.e., MyLab, Pearson, etc.) may NOT be fully ADA compliant. Please contact our Disability Office should you require additional assistance utilizing any of these tools.

Course Evaluations:

Student evaluations of teaching effectiveness are a requirement for all organized classes at UNT Dallas. This short survey will be made available to you at the end of the semester via your campus email, providing you with a chance to comment on how this class is taught. I will not have access to the results of the evaluations until after the final grades have been posted. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider students' evaluations to be an important part of your participation in this class.

Exam Policy: (Online exams and the ability to retake is solely at the instructor's discretion). NOTE: Online exams may be proctored on campus at the instructor's discretion.

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Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the UNT Dallas Academic Integrity Policy in the appropriate Catalog at http://dallascatalog.unt.edu.

Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabrication of information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.

Web-based Plagiarism Detection: Please be aware in some courses, students may be required to submit written assignments to Turnitin, a web-based plagiarism detection service, or another method. If submitting to Turnitin, please remove your title page and other personal information.

Classroom Policies

Online Attendance and Participation:

The University attendance policy is in effect for this course. Class attendance in the Canvas classroom and participation is expected because the class is designed as a shared learning experience, and because essential information not in the textbook will be discussed in the discussion board. Online presence and participation in all class discussions is essential to the integration of course material and your ability to demonstrate proficiency.

Attendance for this online or hybrid course is considered when you are logged in and active in Canvas, i.e., posting assignments, taking quizzes, or completing Discussion Boards. To maintain financial aid award eligibility, activity must occur before the census date of the session or term of the course. Refer to http://www.untdallas.edu/registrar for specific dates. If you are absent/not active in the course shell, it is YOUR responsibility to let the instructor know immediately, upon your return, the reason for your absence if it is to be excused. All instructors must follow university policy 7.005 covering excused absences; however, it is the instructor's discretion, as outlined in the course syllabus, of how unexcused absences may or may not count against successful completion of the course.

Inclement Weather and Online Classes: Online classes may or may not be affected by campus closures due to inclement weather. Unless otherwise notified by your instructor via e-mail, online messaging, or online announcement, students should assume that assignments are due as scheduled.

Online "Netiquette":

In any social interaction, certain rules of etiquette are expected and contribute to more enjoyable and productive communication. Emails, discussion board forum threads and/or any other forms of written communication in the online environment should use proper "netiquette" (i.e., no writing in all caps (usually denotes yelling), no curse words, and no "flaming" messages (angry, personal attacks).

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Racial, ethnic, or gender slurs will not be tolerated, nor will pornography of any kind.

Any violation of online netiquette may result in a loss of points or removal from the course and referral to the Dean of Students, including warnings and other sanctions in accordance with the University's policies and procedures. Refer to the Student Code of Student Rights Responsibilities and Conduct at *https://www.untdallas.edu/sites/default/files/page_level2/hds0041/pdf/7_001_student_code_of_conduct_may_2014. pdf*. Respect is a given principle in all online communication. Therefore, please be sure to proofread all your written communication prior to submission.

Diversity/Tolerance Policy:

Students are encouraged to contribute their perspectives and insights to class discussions in the online environment. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions that violate the Code of Student Conduct will be referred to the Dean of Students as the instructor deems appropriate.

Technology Assistance: In order to successfully access the materials in an online or hybrid course, UNT Dallas advises that your computer be equipped with the minimum system requirements listed on the first page of the syllabus.

If you experience difficulty accessing or using components of the course, try using the Google Chrome browser. If you still experience technical difficulties, first, notify your instructor. If the problem is still not resolved, call Canvas 24/7 Help Desk at the phone number listed on the first page of the syllabus. Also, no matter what browser you use, always enable pop-ups. For more information see:

- http://www.untdallas.edu/dlit/ecampus/requirements

- https://community.canvaslms.com/docs/DOC-10701

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