

University of North Texas at Dallas

Spring 2014

SYLLABUS

BCIS 4660 – Decision Systems Design 3Hrs

Department of	Business	Division of	Urban and Professional Studies
Instructor Name:	Richard Wallace		
Office Location:	Room 305		
Office Phone:			
Email Address:	Richard.Wallace@unt.edu		
Office Hours:	TBD		
Classroom Location:	DAL2 101		
Class Meeting Days & Times:	Saturday 1:00PM – 3:50PM		
Course Catalog Description:	Investigates model-based approaches to the design of decision systems for business and industry.		
Prerequisites:	BCIS 3610; DSCI 3710 or 3870; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT); a grade of C or better in each previously taken BCIS course.		
Co-requisites:	none		
Required Text:	<p>Adamski and Pratt, Concepts of Database Management, 7th Edition, Course Technology, 2012 ISBN-13: 978-1-111-82591-1</p> <p>Marakas, Modern Data Warehousing, Mining, and Visualization, Prentice Hall, 2003 (ISBN-13: 978-0-1310-1459-6)</p>		
Optional Text:	<p>Jukic, Vrbsky, Nestorov, Database Systems: Introduction to Databases and Data Warehouses, Pearson, 2014. NOTE: Materials from this book will be provided in class.</p> <p>Adamson, Christopher and Venerable, Michael, Data Warehouse—Design Solutions, Wiley, 1998. NOTE: ONLY selected chapters from this book will be covered in class. Handouts will be provided.</p>		
Access to Learning Resources:	<p>UNT Dallas Library: phone: (972) 338-1616; web: www.untdallas.edu/our-campus/library UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@follett.com</p>		
Course Goals or Overview:			
	This course investigates model-based approaches to the design of decision systems for business and industry. This includes exploring techniques for data management such as data warehousing, data mining, and data visualization for decision-making in management, management science, and accounting.		
Learning Objectives/Outcomes: At the end of this course, the student will			
1	Be able to design a decision support system to solve problems in the field of management		
2	Use SQL or Access to design a database to support management processes.		
3	Understand the place of data warehousing, data mining, and data visualization within their field.		
4	Understand the use of normal forms and other standard database techniques to create efficient, robust decision support systems.		

Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated by the instructor in class and on Blackboard.

Tentative Class Schedule (Subject to change; effective 1/12/2014) BCIS 4660 – Spring 2014

Week	Dates	Topics	Readings	Assignments
1	1/18/2014	<ul style="list-style-type: none"> •Introduction to Data Warehousing & Data Mining •Relational Databases 	•Pratt 1	
2	1/25/2014	<ul style="list-style-type: none"> • QBE 	•Pratt 2, 3	•Assign #1 (10)
3	2/1/2014	<ul style="list-style-type: none"> • SQL 	•Pratt 3, 4	•Assign #2 (10)
4	2/8/2014	<ul style="list-style-type: none"> • SQL • Normal Forms; DBMS 	•Pratt 5	
5	2/15/2014	<ul style="list-style-type: none"> • DBMS 	•Pratt 6	•Assign #3 (20)
6	2/22/2014	<ul style="list-style-type: none"> • Data Warehousing Overview 	•Marakas 1	•Assign #4 (20)
7	3/1/2014	<ul style="list-style-type: none"> • EXAM PREVIEW 		•Assign #5 (20) Pick Teams
8	3/8/2014	<ul style="list-style-type: none"> • Midterm Exam ---Covers thru Class 7 		•Midterm Exam (120)
	3/15/2014	Spring Break (March 10 – March 16)	No Class	
9	3/22/2014	Review Midterm <ul style="list-style-type: none"> • Object Oriented Models 	<ul style="list-style-type: none"> •Marakas 3 •Pratt 9; 	TEAM PROJECTS Commence
10	3/29/2014	<ul style="list-style-type: none"> • Data Mining and Visualization 	•Marakas 3	•Assign #6 (20); ERWin/ SOM Diagrams
11	4/5/2014	<ul style="list-style-type: none"> • Applications of Data Warehousing 	•Marakas 6	
12	4/12/2014	<ul style="list-style-type: none"> • Applications of Data Warehousing 	•Marakas 6	•Assign #7 (40); (Team Project)
13	4/19/2014	<ul style="list-style-type: none"> • Future of Data Warehousing & Data Mining 	•Marakas 7	•Assign #8 (40); (Team Project)

14	4/26/2014	<ul style="list-style-type: none"> • Class Presentations Class Presentations; FINAL Exam Review; 		<ul style="list-style-type: none"> •Assign #9: Final Project (50); (Team Project) •Assign #10: Class (15) Presentations
15	5/3/2014	Final Exam		

Course Evaluation Methods

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

Grading Matrix [Approximate points]

Instrument	Value (points or percentages)	Total
Pop Quizzes	35 points	35
Midterm Exam	120 points	120
Final Exam	120 points	120
Projects and Homework	225 points	225
Total:		500

Grade Determination:

- A – 90-100% (450-500 points);
- B – 80-89.9% (400-449);
- C – 70-79.9% (350-399);
- D – 60-69.9% (300-349),
- F – Less than 59.9% (299 or fewer points)

Your instructor will post your grades on Blackboard.

Please be advised that your grades cannot be given out over the telephone.

University Policies and Procedures

Students with Disabilities (ADA Compliance):

The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Students' with documented disabilities are responsible for informing faculty of their needs for reasonable accommodations and providing written authorized documentation. Grades assigned before an accommodation is provided will not be changed, as accommodations are not retroactive. For more information, you may visit the Student Life Office or call Laura Smith at 972-338-1779.

Student Evaluation of Teaching Effectiveness Policy:

The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

Assignment Policy:

Problems, cases, and readings will be assigned to support and supplement course subject matter. Each assignment which you turn in must have a separate cover sheet when submitted. This cover page must contain the

following information which is typed and centered on the page - your name (Last Name First), the assignment number, the due date for the assignment, the topic of the assignment, Text Title (if any), Chapter (if any) and page number (if any). Late or early assignments will not be accepted. All assignments are due by midnight on the date due. All assignments must reflect your original work. Team assignments will include a team member evaluation sheet, which each team member must complete.

Exam and Quiz Policy

No electronic devices can be used during the exams.

All exams will be CLOSED BOOKS, CLOSED NOTES. The use of any books or notes during the exams will be considered cheating and will result in an 'F' grade for the course.

Quizzes will be open or closed book at the instructor's discretion. Early or late final exams will not be given. Late quizzes will not be given. Make-up exams will not be given. Final examination will be comprehensive of all subject matter.

Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of conduct and Academic Dishonesty 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 Student Code of Academic Integrity at http://www.untDallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic_Integrity.pdf for complete provisions of this code.

In addition, all academic work submitted for this class, including exams, papers, and written assignments should include the following statement:

On my honor, I have not given, nor received, nor witnessed any unauthorized assistance that violates the UNT Academic Integrity Policy.

Bad Weather Policy:

On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website www.untDallas.edu. Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.

Attendance and Participation Policy:

The University attendance policy is in effect for this course. Class attendance 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 class. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent. In class exams or other assignments are given at every class meeting and cannot be made up.

Diversity/Tolerance Policy:

Students are encouraged to contribute their perspectives and insights to class discussions. 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, which violate the Code of Student Conduct, will be referred to the Center for Student Rights and Responsibilities, as the instructor deems appropriate.

Other Policies:

Mutual respect and courtesy.

Professional quality in the organization, completeness, neatness, and timeliness of any material submitted will be expected.

Late assignments will not be accepted! However, the professor realizes that exceptional situations (such as justified emergencies or medical situations) do occur. In such cases, please inform your professor via e-mail to obtain special permission for late submission, prior to the deadline.

A student may not do additional work or repeat an examination to raise a final grade.

Instructor's Blackboard Site

Your instructor will use Blackboard to provide additional information and material in support of the course.

Lectures:

All electronic devices (cell phones, pagers, tape recorder, etc.) must be turned off before lecture begins. Tape recording of class lectures is permitted only with your instructor's knowledge and consent. Please ask your instructor before using your recorder.

E-mail Communication:

Send me all correspondence to Richard.Wallace@unt.edu. When sending me e-mail, please make sure to:

Send me e-mail from your UNT e-mail address ONLY (Also note that e-mails sent from non-UNT e-mail address maybe detected as spam and will not be received or answered!)

Type "BCIS-4660" in the subject line.

Type your full name in the message.

E-mails will be usually answered within 24 hours on weekdays and within 48 hours on weekends or official holidays, although in most cases, I will answer you even before. If I am out of town and have posted a note to the site about it, you will get an automated respond and I will answer it when I get back or have access to the Internet from that location.

Incomplete Grades:

A grade of "I" will be given only in *exceptional* circumstances to **passing** students, and only for circumstances occurring during the last week of regular class meetings. That is, only emergency situations such as an illness or death in your immediate family constitute exceptional circumstances (and these must be fully documented).