CSCI 4333.02 Design of Database Systems
Fall 2011

Instructor:	Dr. Pradeep Buddharaju
Room:	Bayou 1124
Semester Dates:	08/24/2010 – 12/07/2010
Day/Time:	Wednesdays 7:00 p.m. – 9:50 p.m.
Email:	WebCT or buddharaju@uhcl.edu
WebCT Address:	http://courses.cl.uh.edu:8900
Phone:	(281) 283-3881
Office Hours:	Wednesdays 4:00 pm – 6:00 pm, in D173, by appointment.
Teaching Assistant:	Manjusha Tangirala, Email: TangiralaM5812@UHCL.edu
TA's Office Hours:	Monday and Wednesday, 12pm – 7pm.
Textbook:	Database Illuminated, Catherine M. Ricardo, Jones and Bartlett, 2nd Edition, 2011
Course Description:	This course will focus on theoretical background in database design and aspects of relational database implementation.
Course Format:	Lectures with homework and project assignments.
Objectives:	After completing the course, students are expected to be able to accomplish the following:

1. Explain the concept of data models, entity-relationship model, and relational model.

2. Understand the theoretical background of relational database: relational algebra, relational calculus and normalization theory.

3. Learn the relational databases design, data flow diagrams, and implementation of database systems using DBMS, SQL, including both data description and manipulation languages.

4. Recognize the use of the Internet in database applications and concept of object-oriented database systems.

Attendance:	Students are strongly encouraged to attend all classes.
Appraisal:	Appraisal is solely merit-based. Scores and grade are calculated with the weighing factors below:

Projects	30%
Homework Assignments	9%
Quizzes	6%
Midterm Exam	25%
Final Exam	30%

The instructor will not consider any other factors in the calculation of the final grade. For example, the following factors will not be considered: the need for maintaining certain GPA, obtaining financial aid or keeping the "student" status.

Grading: Grade conversion table:

Score	Grade
≥ 93	A
90.0 – 92.9	A-
87.0 – 89.9	B+
83.0 – 86.9	B
80.0 – 82.9	B-
77.0 – 79.9	C+
73.0 – 76.9	C

70.0 – 72.9	C-
67.0 – 69.9	D+
63.0 – 66.9	D
60.0 – 62.9	D-
< 60.0	F

Prerequisites: CSCI 3333.

Other policies:
1. Assignments must be completed individually.
2. The assignments must be submitted using WebCT. Note that one second after the due time is considered as late. The score for a late *project assignment* will be deducted at a rate of five points per day after the due date. No project assignment will be accepted one week after the due date. The last project assignment will not be accepted late. No late *homework assignment* will be accepted.
3. No make-up exam except in verified emergencies with immediate notification.
4. No "I" grade will be given as the final grade.
5. Mobile phones and pagers must be turned off during the classes. No phone calls should be made during the exams, except in verified emergencies with instructor's approval.

Honesty Code   The Honesty Code is the university community's standard of honesty and is endorsed by all members of the University of Houston-Clear Lake academic community. It is an essential element of the University's academic credibility. It states:

I will be honest in all my academic activities and will not tolerate dishonesty.

Dishonesty in an assignment or an examination will be the cause for receiving the grade of F for the course.

For details on the honesty code, read the document at this link:
http://prtl.uhcl.edu/portal/page/portal/PRV/FORMS_POLICY_PROCEDURES/STUDENT_POLICIES/Academic_Honesty_Policy

6 Drop Rule Limitation - Students who entered college for the first time in Fall 2007 or later should be aware of the course drop limitation imposed by the Texas Legislature. Dropping this or any other course between the first day of class and the census date for the semester/session does not affect your 6 drop rule count. Dropping a course between the census date and the last day to drop a class for the semester/session will count as one of your 6 permitted drops. You should take this into consideration before dropping this or any other course. Visit http://www.uhcl.edu/records for more information on the 6 drop rule and the census date information for the semester/session.

Disability Accommodation Statement

If you are certified as disabled and are entitled to accommodation under the ADA Act., Sec. 503, please see the instructor as soon as possible. If you are not currently certified and believe that you may qualify, please contact the Coordinator of Disabled Services, at (281) 283-2627, in Health and Disability Services.

Class Schedule of CSCI 4333.02 Fall 2011

Class	Date	Topic	Assignment	Due
1	8/24/2011	Introductory Database Concepts (Ch 1)		
2	8/31/2011	Database Planning and Database Architecture (Ch 2)	HW1	
3	9/7/2011	The Entity-Relationship Model (Ch 3)	P1	HW1
4	9/14/2011	The Relational Model (Ch 4)		
5	9/21/2010	The Enhanced Entity-Relationship Model and the Object-Relational Model – Part I (Ch 8)	HW2	P1
6	9/28/2010	The Enhanced Entity-Relationship Model and the Object-Relational Model – Part II (Ch 8) Midterm Review		HW2
7	10/5/2010	**Midterm Exam**		
8	10/12/2010	Relational Database Management System and SQL – Part I (Ch 5)	P2	
9	10/19/2010	Relational Database Management System and SQL – Part II (Ch 5)		
10	10/26/2010	Normalization – Part I (Ch 6)	HW3	P2
11	11/2/2010	Normalization – Part II (Ch 6)	P3	HW3
12	11/9/2010	The Object-Oriented Model (Ch 7)		
13	11/16/2010	Introduction to Database Security (Ch 9)		P3
	11/23/2010	Databases and the Internet (Ch 13)		
14	11/30/2010	Final Review		
15	12/7/2010	**Final Exam**		