CS3331:001 Advanced Database Systems

Fall 2012

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Class: WEB delivered

Textbook

Database Systems: Design, Implementation, and Management, 9th Edition, ISBN-10: 0538469684 ISBN-

13: 9780538469685

Course Objectives

Upon completion of this course, participants will have gained knowledge of database system concepts and the ability to:

* understand user requirements/views

* analyze existing and future data processing needs

* develop an enterprise data model that reflects the organization's fundamental business rules

* develop and refine the conceptual data model, including all entities, relationships, attributes, and business rules

* integrate and merge database views into conceptual model

* apply normalization techniques

* identify data integrity and security requirements

* derive a physical design from the logical design taking into account application, hardware, operating system, and data communications networks requirements

* utilize prototyping as a rapid application development (RAD) method to implement a PC database

(e.g., Microsoft Access® for the PC and MySQL)

A more complete list of learning objectives can be found in the preface to each textbook chapter.

Grading

Letter grades will be determined using a standard percentage point evaluation as outlined below.

A 900 - 1000 points

B 800 - 899 points

C 700 – 799 points

D 600 – 699 points

F below 600 points

The final grade will be computed on the following weights:

Exam 1 (based on chapter 1 & 2) = 10% OR 100 points

Exam 2 (based on chapter 3 & 4) = 10% OR 100 points

Exam 3 (based on chapter 5 & 6) = 10% OR 100 points

Exam 4 (based on chapter 7 & 8) = 10% OR 100 points

Final Exam (based on chapter 9 &10) = 20% OR 200 points

Final project = 20% OR 200 points

Assignments = 15% OR 150 points

Participation = 5% OR 50 points

Total Points 1000

Course Policies

Exams, quizzes and assignments: NO MAKE UPS ARE ALLOWED, unless medical or extreme conditions are present.

Academic dishonesty

You are expected to do your own work on all assignments, exams, quizzes, and projects. Any dishonest work will be penalized with a grade of zero.

Attendance

Any student who fails to participate OR not submit OR take exams/quizzes frequently will be automatically dropped from this course.

Need for assistance

Qualified students with disabilities needing academic or other accommodations to ensure full participation in the programs, services and activities at Sul Ross State University should 3contact the Disabilities Services Coordinator, in Counseling and Prevention Services, Ferguson Hall 112, Box C-117, Alpine, Texas 79832.

Posting of Grades

As soon as assignments, exams, and quizzes are graded, the grades will be posted in

Blackboard.