

ISMN 7830/7836
Database Management Systems
Fall 2014

Instructor: Dr. Dianne Hall
410 Lowder Hall
halldia@auburn.edu (use ONLY your Auburn account)
844-6443

Class Hours: TR 11:00 – 12:15

Class Location: Lowder 20

Office Hours: Wednesday 8:00 – 10:00 am, or by appointment

Students are encouraged to regularly check their official university e-mail accounts for announcements.

Required Text and Software Requirements:

ISBN 978-1-256-55592-6

Custom Resource Book, Pearson (created from the book below)

*Alternate book: Database Processing, Fundamentals, Design, and Implementation, Kroenke and Auer, 12th Edition

Projects in this course may require that you have your personal Auburn web space set up. If you have not already done so, follow the instructions available from OIT.

This course requires that you have a MySQL account set up through the Office of Information Technology (OIT). This should be done well in advance of needing the account so that you do not experience time delays when trying to do your homework. Information for setting up your MySQL account can be found on the OIT website.

Description and Objectives of the Course

This course is designed to teach the student fundamentals of database structures and design. Conceptual material is stressed; application of conceptual material will be conducted through a variety of homework and other exercises that will require interaction with a complex database management system. Business design considerations including business requirements determination will be discussed; students will also be exposed to various database architectures. Upon completion of the course, the student will have gained hands on experience with at least one database management system, and will have a conceptual foundation on which to build.

Material Covered:

Weeks 1, 2, 3	Database Basics, Relational Models, and Normalization
Weeks 4, 5, 6, 7	Data Modeling, Physical Database Design
Weeks 8 - 13	Data Definition Language (SQL), Data Manipulation Language (SQL)
Weeks 14, 15	Project

PREREQUISITES: Graduate Standing

Grades and Grading Policy

Grade Composition:

Exams	60%
Project	35%
Attendance/Participation	5%

Standard grading will be used in this class (> 89.49% = A, etc.).

Exams: Exam material may range from multiple choice and true/false questions to short answer or essay style questions. On occasion, written program code (SQL statements, etc.) may be required. Make-up exams will be in the short-answer format and will be available no longer than three weeks following the original exam date. You are strongly encouraged to take all exams at the scheduled time.

You must attend the scheduled exam periods which are listed on the class schedule; the only exception is for an official excuse (see the eHandbook). If you miss an exam and you have a university-approved excuse, you must contact me within one week of the scheduled exam date; otherwise, you will receive a **zero** for that exam.

Every effort will be made to have exams graded and the grade returned no later than 1 week following administration of the exam. Graded exams may be examined during announced times **ONLY**. If you believe there was a numerical mistake made in grading your exam you must request a review of your exam in writing to me within five days of viewing your exam. Otherwise, I will **not** review your exam and your grade will stand.

Project: Each semester the members of the class participate in a group project. Group size depends on total enrollment. This project is a substantial one and constitutes a large percentage of your grade. It is expected that all students will actively participate throughout the entire semester as an active member of the group. Students will evaluate each other's participation.

Participation: Be in class on time. Participate in class both through solicited response and through relevant comments and questions. If you have a question, please ask it; it is likely that someone else has the same question. Take advantage of office hours to discuss aspects of the course. I encourage e-mail communication and will try to respond to the whole class on pertinent issues. Distance students may participate through email or Canvas discussions.

Personal Policy: Please be respectful of your instructor and your classmates. Arrive on time and ready to participate in the discussion (this means you read the material before class). Simply sitting in a seat during class is not an effective way to learn! Do not leave during class except in an emergency. Please remember to turn off audio on your cell phones, MP3 players, tablets.....

Communication: I will use Canvas and your official Auburn University e-mail address for course communication. It is your responsibility to contact the Information Technology Help Desk to have this address forward mail to the e-mail address that you regularly check. If you email me, do not use any account other than your official Auburn account. I filter out others to reduce spam.

Distance Learning Students

Off-campus students will be expected to coordinate their exams with the proctor designated by the Student Services office of the distance learning office.

This class requires a group project. Direct communication between you and your group members enhances the experience both for you and for your classmates. Should your participation in the group cause a hardship, you may contact me directly for an alternative.

Attendance and participation points may be accumulated by participating in discussion through emailed questions or comments (which I will distribute if emailed only to me), or through communication tools available in Canvas.

Academic Honesty: ALL PORTIONS OF THE AUBURN UNIVERSITY HONESTY CODE FOUND ONLINE IN THE STUDENT POLICY eHANDBOOK WILL APPLY TO THIS CLASS. All violations or alleged violations of the Code will be reported to the Office for the Vice President for Academic Affairs.

Special Accommodations for Students with Disabilities: Auburn University is committed to providing accommodations and services to students with documented disabilities. Students who have questions or need special accommodations to participate in on-campus or distance education courses should contact The Program for Students with Disabilities, 1244 Haley Center, Auburn University, AL 36849; 334-844-2096 (Voice T/O); 334-844-2099 (Fax); email haynemd@auburn.edu; URL: <http://www.auburn.edu/disability>.