

MIS 3365 – DATABASE APPLICATIONS FALL, 2014 – DR. MCMURTREY



UNIVERSITY OF CENTRAL ARKANSAS COLLEGE OF BUSINESS VISION, MISSION, AND CORE VALUES STATEMENT

COB Vision

Our vision is to be recognized as the business college of choice for undergraduate and masters programs among public business colleges in Arkansas and the region, with national recognition in selected fields or areas.

COB Statement of Mission and Core Values

Our mission is to provide high quality business education to our undergraduate and graduate students through the delivery of a current, responsive, and innovative curriculum that promotes intellectual and professional development. We promote excellence through our scholarly endeavors and service to our stakeholders through strong engagement with the local, regional, national, and global business community.

In carrying out this mission, the College of Business is guided by the following core values and expects the following outcomes:

1. Intellectual Excellence.

- 1.1. Educate students: We promote intellectual and professional development of students by emphasizing communication, critical and analytical thinking, collaboration, information management and a broad exposure to key business disciplines.
- 1.2. Scholarship: We believe that faculty and students should engage in professional development and scholarly endeavors that promote and impact the application, creation and dissemination of knowledge through contributions to business practice, learning and pedagogical research, and discipline-based scholarship.
- 1.3. Cultural competence: We maintain and develop current and responsive curriculum that prepares students for the global business environment through broad exposure to key business disciplines.
- 1.4. Physical learning environment: We strive to provide a physical infrastructure with appropriate technology that provides an environment in which our students and faculty can thrive professionally and intellectually.

2. Community.

- 2.1. Collegiality: We encourage transparency in our decision making practice through a process of shared governance based on interactions among faculty, staff, and students.
- 2.2. Service: We pursue collaborative partnerships between our internal and external stakeholders to impact and promote life-long and experiential learning, research, service, and community engagement.

3. Diversity.

3.1. We value the opportunity to work, learn, and develop in a community that embraces the diversity of individuals and ideas.

4. Integrity.

4.1. Ethics: We are committed to ethical and responsible behavior in our own actions and to developing the same commitment in our students by promoting the awareness of professional ethical responsibilities.

4.2. Responsibility: We commit to being responsible and accountable in our operations at all levels, including assessment and continuous improvement of our academic programs and transparency in our fiscal and operational proceedings.

Learning Goals

Our graduates shall possess:

1. Critical Thinking & Analytical Thinking Skills;
2. Awareness of the Global Business Environment;
3. Ethical Reasoning Abilities;
4. Effective Communication Abilities;
5. Effective Collaborative Skills;
6. Effective Information Management Skills;
7. Understanding of a Broad Range of Business Disciplines.

Course Syllabus

Course Information

Course Number:	MIS 3365
Course Name:	Database Applications
CRN:	11679
Semester:	Fall, 2014
Location:	COB 308
Class Hours:	Monday/Wednesday 12:30 p.m. - 1:45 p.m.

Instructor Information

Name:	Mark E. McMurtrey, Ph.D.
Office Location:	COB 305-O
Work Email:	markmc@uca.edu
Phone:	450-5308
Office Hours:	Monday/Wednesday 10:00 a.m. - 11:00 a.m. and 2:00 p.m. - 4:30 p.m. Tuesday/Thursday 12:30 p.m. - 2:00 p.m. ...or by appointment

Prerequisites

MIS 2343 Desktop Decision Support Technologies
MIS 3321 Managing Systems and Technology

Textbook and Instructional Materials Required

Hoffer, Ramesh, & Topi: *Modern Database Management, 11th Edition*, Prentice Hall, 2013.
Earlier editions are fine.

Course Description

This course provides an in-depth study of relational databases. It emphasizes the creation, maintenance, interrogation, and use of PC-based relational database software to manage business data. The primary mode of instruction in this course is computer-based database development activities. The software used will be Microsoft Access 2013, SQL Server 2008, and Oracle 11g. The course will consist of foundational database theory plus hands-on exercises.

Course Objectives

This course provides both a foundational and hands-on introduction to database applications. Students will be expected to understand why organizations have databases, their function, where they fit into IT development, and how to use them. This course will provide an understanding of database design, database implementation (creating tables and other objects), table relationships (and keys), and using a database (queries, forms and reports). A core aspect of this course is understanding and using Structured Query Language (SQL), the language of relational databases.

Course Delivery Method

Lecture and lab.

Grading

Grades will be assigned according to the following scale: (Your percentage would depend upon what you do.)

- A. 90-100
- B. 80-89
- C. 70-79
- D. 60-69
- F. < 60

Grade Based on

Homework/Quizzes:	15%
Test One:	25%
Test Two:	20%
Final Exam:	20%
Team Project:	20%

Description of Major Deliverables/Course Requirements

Class Schedule: (see last page)

Evaluations (Fall & Spring)

Student evaluations of a course and its professor are a crucial element in helping faculty achieve excellence in the classroom and the institution in demonstrating that students are gaining knowledge. Students may evaluate courses they are taking starting on the Monday of the thirteenth week of instruction through the end of finals week by logging in to myUCA and clicking on the Evals button on the top right.

Policies and Procedures

Attendance and Drop policies

Attendance is important for this class; much of the assigned work is done in class. I will take roll every class period. More than 6 absences without explanation will result in the student being dropped from the class with a WF. Only excused absences will be allowed for test makeup. There will be no excuses for projects not being turned in on time (one can always slide those under my door). I will not accept homework from an absent student.

Assignment Submission

Outside assignments (homework and projects) are due at the **beginning** of the class before the lecture begins. Assignments turned in after class starts are considered late and graded accordingly. Do not wait until you get to class to complete or print an assignment. Often the printer will be down or some other problem will arise and your work will be counted late.

PROJECTS. If a project is late, the penalty is one grade (i.e., 10%) per day. To get credit for turning in an assignment on time, it must be turned in at the beginning of class (when I call for it). If it is turned in after that time, and up until 4 pm at my office (under the door is fine if I am not present) on the day it was due, it is considered one day late. If it is turned in after 4pm but before 4pm on the following day, it is two days late. It is due by 4pm on the third day unless the third day is a class day, in which case it will be due at the beginning of class. Thus a project due on Monday turned in Tuesday at 6 pm is three days late, with a -30%. I will **not accept any assignment later than three days** (so again, due on Monday, the latest I will accept it is Wednesday at the beginning of class).

HOMEWORK. Homework is simpler. It is due the beginning of class (when called for). If it is not turned in then, it is late. It will be accepted only until the beginning of the very next class. A few HWs may not be turned in late at all. The penalty is 15%.

Makeup Exams

Makeup exams will not be given during the semester. With proper excuse, they will be administered in the last week of classes.

Classroom Policies

Computer Lab Rules:

- No Food, Drink, or Tobacco Allowed. Please properly dispose of these items before entering the lab.
- Clean Up Your Work Area. Throw away trash, straighten equipment, and push in your chair. Keep work area neat.
- Talk Quietly. Others around you are trying to work.
- The Printer Is Not A Copy Machine. If you need more than one copy, print one copy and use a copy machine for the others.
- Log Out And Turn Off Your Computer. This ensures that you are logged out of the system and the next student can use the computer. It also ensures you can get back into the system from somewhere else on campus.

Academic Integrity Statement

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy.

Disabilities Act Statement

The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Office of Disability Services, 450-3613.

Sexual Harassment and Academic Policies

All students are required to familiarize themselves with the University of Central Arkansas policy on sexual harassment and on academic policies. These policies are printed in the Student Handbook.

Title IX

If a student discloses an act of sexual harassment, discrimination, assault, or other sexual misconduct to a faculty member, the faculty member cannot maintain complete confidentiality and is required to report the act and may be required to reveal the names of the parties involved. Any allegations made by a student may or may not trigger an investigation. Each situation differs and the obligation to conduct an investigation will depend on those specific set of circumstances. The determination to conduct an investigation will be made by the Title IX Coordinator. For further information, please visit: <http://uca.edu/titleix>.

Emergency Procedures Summary (EPS)

An Emergency Procedures Summary (EPS) for the building in which this class is held will be discussed during the first week of this course. EPS documents for most buildings on campus are available at <http://uca.edu/mysafety/bep/>. Every student should be familiar with emergency procedures for any campus building in which he/she spends time for classes or other purposes.

Other Required Materials/Competencies/Resources

Additional course materials will be posted on the instructor's website (i.e., Blackboard), periodically, as needs dictate. Check it on class days, if possible, to ensure you're up to date. Almost everything you need for this class will be found here.

Accreditation & Assurance of Learning

Learning Goal(s) Assessed in this Class

- There is no formal assessment activity scheduled in this class.
 There is formal assessment activity scheduled in this class.

Learning Goals:

[N/A]

Learning Objective:

[N/A]

Measure:

[N/A]

Benchmark:

[N/A]

**MIS 3365 Database Applications
Course Syllabus
Fall, 2014**

Month	Date	Topics	Readings
Aug	25	Introduction to Databases	
	27	DB Environment	2-16; 25-31
Sept	1	<i>Labor Day Holiday</i>	
	3	Working with Existing Databases	
	8	E-R Diagrams I	55-93
	10	Relationships	153-161
	15	ERD Lab	
	17	E-R Diagrams II	
	22	Database Development Process	17-25
	24	Designing Tables/Data Types <i>Phase I Due</i>	207-212
	29	<i>TEST 1</i>	
Oct	1	Data Types/Constraints	
	6	Referential Integrity	
	8	Queries I	
	13	Queries II	
	15	Queries III	
	20	Normalization	
	22	Intro to SQL-Server	<i>Phase II Due</i>
	27	Introduction to SQL	
	29	<i>TEST 2</i>	
Nov	3	Data Types	243-257
	5	SQL-Adding Constraints	
	10	SQL-Modifying Tables	
	12	SQL-Inserting Data	257-260
	17	SQL-Single Table Queries	261-274
	19	SQL-Two/Multi-Table Queries	290-293
	24	Oracle-Introduction	
	26	<i>Thanksgiving Holiday</i>	
Dec	1	Oracle-Queries	
	3	Oracle-Queries <i>Presentations</i>	<i>Phase III Due</i>
	8	<i>TEST 3 (Final Exam)</i>	11:00 a.m. – 1:00 p.m.