

# College of Business

Tennessee State University

## Course Syllabus

### LOCATOR INFORMATION:

Course Name: Introduction to Relational Databases (BISI 3610)

Credit Hours: 3

Contact Hours: 3

### INSTRUCTOR:

Name Santosh Venkatraman

Office: K410

Phone: 615.963.7315

E-mail: svenkatraman@tnstate.edu

**REQUIREDTEXTBOOK & MATERIALS:** Extensive use of class notes and online resources

**COURSE DESCRIPTION:** This course provides an introduction to the design, organization, and use of relational databases. Both theory and a "hands-on" approach will be used. Microsoft Access will be the primary tool to illustrate the various relational database concepts.

## **COURSE OBJECTIVES:**

Upon completion of the course, the student will have knowledge of:

- Relational Database concepts, terminology and Theory
- Data Concepts and modeling
- Relational Data Model and Algebra
- SQL (Structured Query Language)
- Database Design and Normalization
- Use Microsoft Access extensively to solve business problems

## **ACADEMIC INTEGRITY:**

Academic honesty and integrity lie at the heart of any educational enterprise. Students are expected to do their own work and neither to give nor to receive assistance during quizzes and examinations. Deliberate violations of academic integrity (plagiarism, cheating, mis-representation of information) and fabrication are not tolerated. Actions outlined in the Tennessee State University Student Handbook under Code of Student Conduct will be followed for incidents of academic misconduct.

## **REASONABLE ACCOMODATIONS:**

Any students requiring accommodations should contact Patricia Scudder, Director of Students with Disabilities-Disabled Student Services Office, at 963-7400, preferably before the fourth class meeting. The College of Business, in conjunction with the Office of Disabled Student Services, makes reasonable accommodations for qualified students with medically documented disabilities. I need to be aware of your status if it will affect your class activities and assignments---before assignments are due.

## **CODE OF STUDENT CONDUCT:**

There will be no eating, drinking, sleeping or disruptive behavior in the classroom. Each student is encouraged participating in classroom activities, asking questions, and working along with the class as recommendations/problem solutions to illustrations, examples, and cases are examined. Additionally, cell phones must be turned off upon entering the classroom and should remain so until class has ended. Action will be taken against those students who do not adhere to appropriate classroom behavior.

## **ATTENDANCE& LATE WORK:**

Assignments will not be accepted after the specified due dates.

**ASSIGNMENTS& EVALUATION CRITERIA:**

Leading Edge Technology Presentation

Each student will choose a current IT concept or product (ex: Blackberry PDAs, tablet PC, Green Computing, WiMax, VoIP, Grid Computing, Cell-Phone Handsets, hardware devices, specific network technologies, modern technology-based businesses such as Akamai, Riverbed, Acme Packet, Google, Baidu, Amazon, eBay, NetFlix etc..) and make a short (15 minutes) presentation. Describe what it is, who makes it, cost/benefit issues, business impacts, customer impacts, & Technological Challenges/Greatness etc. Do not make it like a pure sales pitch (just describing features of a gadget etc) to get maximum points.

The student will make this presentation at the beginning of the class. Typically PowerPoint slides, Websites, and/or video-clips (YouTube) are used. Give me the date on which you want to present. If a topic selected by another student is used, try to discuss it in a different angle to get most points. If a student fails to present on the chosen date, the points for this activity will be forfeited.

---

ACCESS PROJECT

Develop a professional solution to efficiently and effectively manage a business operation (say, in a Hospital, School, Hobby Club, Investment Advisor, Retail Store, Restaurant etc).  
Develop a scenario summarizing the operations of the business, the reports it needs for running the business well, the problems that it needs to solve.  
Then design and implement the tables, forms, queries, and reports.  
Finally on the project presentation day, present your business, its operations and the solutions you have developed.

Course Activity Points	
EXAM 1	200
EXAM 2	200
Quizzes (scaled if necessary)	100
Access Project	200
Attendance/Class Participation/Technology Presentation	50
Homework Assignments	250
<b>TOTAL</b>	<b>1000</b>

**GRADING SCALE:**

<b>Grade Assignment</b>
<i>A if total points <math>\geq 900</math></i>
<i>B if 800 - 899.9</i>
<i>C if 700 - 799.9</i>
<i>D if 600 - 699.9</i>
<i>F if <math>&lt; 600</math></i>