INSTRUCTOR INFORMATION:
Instructor: Maryellen Demaret
Email: maryellen.demaret@uncg.edu
Office: Bryan 435
Office Hours: By appointment

CATALOG DESCRIPTION
Study of database management systems including their design, implementation, query and use. Includes an extensive case study requiring development of a multiple table database system for organizational needs.

PREREQUISITES/CO-REQUISITES
Pr. grade of C or better in 110 or equivalent

REQUIRED TEXTBOOKS AND INFORMATION SYSTEMS

Textbook
Database Systems: Introduction to Databases and Data Warehouses, Nenad Jukic, Susan Vrbsky, Svetlozar Nestorov

Canvas Course Management System (https://canvas.uncg.edu)
Course materials, readings, assignments, announcements and updates will be posted on Canvas regularly. It is the student’s responsibility to check Canvas daily.

MySQL account (https://baelearn.uncg.edu/sql/)
This will be your primary working environment. It is free. Students will be provided access credentials.

iSpartan account
Course updates communications are sent through email. It is the student’s responsibility to check their iSpartan email daily.
GENERAL COURSE PERSPECTIVE
This is a general concepts course intended to assure that students have a grasp of the fundamental concepts of database systems. Since there is no explicit background required for this course, students enter this course with widely varying backgrounds in terms of education, business experience, and technology knowledge. Consequently, we assume that the student will have fairly low level of knowledge of the subject matter of this course. In some cases, students will find that they have more extensive knowledge of particular areas than is required for the course. This cannot be avoided so we ask for your patience if you encounter this situation.

OVERALL COURSE OBJECTIVES
This is a course about data and its management. The design of files and databases and the use of database management systems are integral and critical parts of developing and using information systems. Today, virtually every information system will include the database design and implementation or the use of an existing database. After you have finished this course, you should have very good understanding about data and database systems.

Specifically, the objectives of this course are two-fold:

1. Provide an introduction to the design of relational databases through the use of Entity-Relationship Diagrams and Normalization procedures, and

2. Develop basic skills in the use of SQL in defining and creating a database, inserting and modifying entries in a table, and manipulating the database to produce useful decision making information for management.

Upon successful completion of the course, you will be able to:
- Develop and implement a sound data model for a business data system;
- Design, implement, and use a relational database;
- Use SQL to create complex queries, generate reports and administer a database;
- Be familiar with how database systems are used in various types of businesses.

INSTRUCTIONAL METHODOLOGY
Students will be required to read textbook materials and materials found in Canvas. Students must complete all required readings in a specific time window. To enhance learning both elementary and advanced database issues, techniques, and concepts covered in this course, each database topic may be complemented with assignments and quizzes. Homework assignments challenge students to apply the knowledge learned.

ATTENDANCE
Attendance is NOT required but make note that 5% of your final grade is class participation. It is the student’s responsibility to stay on track with readings and assignments to be successful in the course.
PERFORMANCE EVALUATION AND GRADING

Student performance will be evaluated using: exams, weekly quizzes, weekly, and a group project. The weights are as follows:

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<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Midterm</td>
<td>20%</td>
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<tr>
<td>Final</td>
<td>20%</td>
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<tr>
<td>Weekly Quizzes</td>
<td>15%</td>
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<tr>
<td>Weekly Assignments</td>
<td>20%</td>
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<tr>
<td>Project Part I</td>
<td>10%</td>
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<tr>
<td>Project Part II</td>
<td>10%</td>
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<tr>
<td>Class Participation</td>
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<tr>
<td><strong>Total</strong></td>
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The grade scale shown below will be used.

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<thead>
<tr>
<th>Points</th>
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<tbody>
<tr>
<td>93-100%</td>
<td>A</td>
<td>87-89%</td>
<td>B+</td>
<td>77-79%</td>
<td>C+</td>
<td>67-69%</td>
<td>D+</td>
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<tr>
<td>90-92%</td>
<td>A–</td>
<td>83-86%</td>
<td>B</td>
<td>73-76%</td>
<td>C</td>
<td>63-66%</td>
<td>D</td>
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<td>80-82%</td>
<td>B–</td>
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**Exams**

This course has two exams. **No makeup examination is offered for any reason.** All exams will be taken in the classroom. If you have a valid excuse for missing an exam (illness, death in the immediate family – no work related excuses) contact the instructor BEFORE the exam to make special arrangements and bring an appropriate note from your physician, clergy, etc. Additional instructions for exams will be provided later in the course.

**Assignments**

All assignments are due by 11:59 pm on the scheduled due date. It is the student’s responsibility to be aware of deliverable due dates. **Make-up assignments will not be given. Late submissions will not be accepted.** It is the responsibility of the student to notify the instructor promptly (in advance if possible) of any issue that may impact the completion of any work by the scheduled completion date.

**Group Project**

Each student will be placed a four-person group to work on a database project. More details about the project will be given during the course.
COURSE EVALUATION
Each student will be asked to complete an on-line course evaluation near the end of the course. This evaluation is important to the instructor and the university in our efforts to continually improve the delivery of our courses. Additional information about the evaluation will be provided later in the course.

GUIDELINES FOR ETHICAL AND PROFESSIONAL BEHAVIOR OF STUDENTS AND FACULTY
The administration, faculty, staff, and students of the Bryan School of Business and Economics at UNCG are committed to ethical and professional behavior in all areas of their academic and professional lives. The values, principles and expectations established in this document and the addendums encompass many aspects of professional behavior and integrity. It is not an exhaustive list, since change is part of life both inside and outside the university. It is further noted that all expectations and principles discussed in this document apply to all modes of communication or course delivery.

This set of Guidelines constitutes a statement of values, principles, and expectations; concerns and issues are still best addressed by conversations between the individual faculty member and student. If further discussions are necessary, Department Heads may be contacted by either faculty or students.

Complete guideline can be found at: https://bryan.uncg.edu/wp-content/uploads/2017/08/faculty_student_guidelines.pdf

Expectations of Faculty
Faculty in the Bryan School must conform to all existing UNCG codes and policies, and their teaching roles are of particular relevance to these Guidelines.

Expectations of Students
Students in the Bryan School must conform to all existing principles found in UNCG’s Academic Integrity Policy and the Student Code of Conduct.

Academic Integrity Policy
University students are expected to conduct themselves in accordance with the highest standards of academic honesty. A student is subject to penalty for academic misconduct, such as illicit possession of exams or exam materials, forgery, or plagiarism. Plagiarism is the presentation of the work of another, as one’s own work. Discussing your assignments with other students can be a valuable learning resource; however, each student is expected to do their own original work. It is the student’s responsibility to prove their work is original, if challenged.

All students are required to follow the provisions of the UNCG Academic Integrity Policy (https://osrr.uncg.edu/academic-integrity/) in completing coursework. If you do not know the provisions of the Academic Integrity Policy, make time to study it. Each student is required to sign the Academic Integrity Pledge on all major work submitted for the course.
DISABILITY SERVICES
If you have any type of learning or physical disability, please contact the Office of Accessibility Resources & Services in Suite 215 EUC or on-line at oars@uncg.edu. You must register/petition with them first. The Office of Accessibility Resources & Services will contact us once your request is approved.