



James L. & Dorothy H. Dewar
COLLEGE of EDUCATION
& HUMAN SERVICES
VALDOSTA STATE UNIVERSITY

Department of Library and Information Studies
MLIS 7520- Database Design for Information Professionals
Fall 2023
Three Credit Hours

INSTRUCTOR INFORMATION

Name: Changwoo Yang, PH.D.

Office Number: Online

Website: <http://www.valdosta.edu/colleges/education/master-of-library-and-information-science/faculty.php>

Office Hours: By appointment

COURSE DESCRIPTION

Addresses government and industry needs for design, implementation, and management of the database systems. Focuses on the application of data modeling technologies in library and information science practice and research.

TEXTBOOKS / RESOURCE MATERIALS

REQUIRED TEXT

Rob, P., & Coronel, C. (2018). *Database Systems: Design, Implementation, and Management* (13th ed.). Thomson Course Technology. ISBN 0538469684

Note: Since the class focuses on basic concepts in database design, you don't necessarily have to have the latest edition on the textbook (Rob & Coronel).

Weinberg, P. N., Groff, J. R., & Opper, A. J. (2010). *SQL, the Complete Reference*. New York: McGraw-Hill.

PDF version is available [online through Odum Library](#)

Additional readings from the professional and research literature: Selected journal articles and/or other resources are listed on the course calendar, reading list, and in the weekly folders.

Please familiarize yourself with the VSU policy that prohibits the use of the Interlibrary Loan service for obtaining textbooks at <https://www.valdosta.edu/colleges/education/master-of-library-and-information-science/documents/MLISPolicyonILLRequestsforTextbooks.pdf>.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to:

- Explain the fundamental principles of database systems.
- Develop database conceptual design using the Entity Relationship Model approach.
- Demonstrate skills and perspective to analyze real-world requirements, produce a data model, and implement the database.
- Use Structured Query Language (SQL).
- Develop and optimize complex SQL queries to perform tasks such as table creation, data input, and retrieval.
- Evaluate trends in database technologies and the application of database technologies to various activities.

COURSE ACTIVITIES/ASSIGNMENTS/REQUIREMENTS

Class activities include a set of readings, assignments, online discussions, and a term project. Students will complete weekly assignments that provide an opportunity to demonstrate familiarity with the course content. Assignments will provide students with conceptual and practical understanding of database design principles and SQL syntax. The purpose of the term project is to allow students to demonstrate their understanding of data modeling and database design issues covered in the class by designing and implementing a database that can handle real-world data and information management issues. Term project report should include problem statement, background information about the problem, ER diagrams, data dictionary, rationale for the design, challenges faced during design and implementation processes, and brief evaluation of the project.

Details for each week are posted in the appropriate folder on the course website. ***It is the student's responsibility to check the course calendar for DUE DATES for all class work and the weekly folders and assignment folders for all required and supplemental readings and other materials.***

ASSIGNMENTS/EXAMS

Grades will be calculated as follows:

- 5 Weekly assignments: 50 pts
- 2 Exams: 2 * 10pts = 30 pts
- Term project: 20pts = 20 pts

Weekly Assignments (50pts)

- Students will complete five individual assignments that provide an opportunity to demonstrate familiarity with the course content.
- Collaboration on homework assignments is encouraged. You may consult outside reference materials, other students, or the instructor. However, all of your answers should reflect your understanding of the subject matter at the time of writing.

Exams (30pts)

There will be two open-book exams: a midterm and a final exam. Each exam will consist of a combination of multiple-choice, true/false, and short-answer questions. The exams will be made available 48 hours prior to their respective due dates.

Final Project (20pts)

- This project aims to provide students with a practical opportunity to apply the knowledge of data modeling and database design acquired in this course by developing a database capable of solving real-world data and information management problems.
- Students are free to choose topics of personal interest.
- Instructor approval is required before starting the project.

SUBMITTING ASSIGNMENTS

All written work must be submitted as attachments to the assignment modules in the BlazeView course website using Word formats (.doc or .docx suffixes only). The university's Information Technology department provides step-by-step guides on how to use VSU's e-mail system and other resources. The IT Help Desk is at <http://ww2.valdosta.edu/helpdesk/index.shtml> Their telephone hotline is 229-245-4357.

LATE SUBMISSIONS, MISSED ASSIGNMENTS, & MAKE UP ASSIGNMENTS

All course work is due inside BlazeView on the date and time indicated on the course calendar. Any exception without penalties must be negotiated in advance. Technological crises are not acceptable excuses for submitting work late unless BlazeView is down at the time the work is due.

Up to 20% of the possible assignment grade will be deducted from the student's score for every additional 24 hours or increment thereof that the work is late up until the day the BlazeView assignment submission window closes. If you need additional time to work on an assignment or if you have a scheduling conflict you must contact your instructor BEFORE the assignment is due to discuss your situation. The instructor WILL NOT accept work after the assignment submission window closes without prior consent.

COURSE GRADES

Students can earn a maximum of 100 points in this course as indicated above. Course grades will be awarded as follows:

- A – 90-100
- B – 80-89
- C – 70-79
- D – 60-69
- F – Fewer than 60 points

To be eligible to receive an A in this course requires completing every assignment.

An overall grade of zero can be assigned to an entire paper or project if the instructor determines that its contents, or parts of its contents, were completed by a second party **or copied into a paper or project from a source without proper citing**. Noncompliance with rules on appropriate use of resources will result in zero credit for those parts of the assignment affected. If you are unsure about the parameters of an assignment, ask for clarification.

COURSE EVALUATION

Students in this course are expected to: 1) Read or view all assigned materials; 2) Participate in class activities; 3) Submit all projects on time and according to the format designated by the instructor; 4) Conduct all research and composition according to the VSU Academic Honesty Policy.

ATTENDANCE POLICY

VSU requires that you attend class in the first week. *Student must use the General Discussion Board to introduce themselves to their classmates (no post by the end of the first week will result in the student being dropped for the class)*. All course activities will be conducted through BlazeVIEW. Course content is delivered asynchronously according to the course calendar. It is your responsibility to participate in all course activities and submit assignments on time. It is in your best interest to log into the course at least several times each week (daily is best) to check announcements, discussion board posts, and emails.

COMMUNICATION

Communication will be conducted through BlazeVIEW email, postings and replies in the discussion board, and/or BlazeVIEW announcements. Check these areas at least several times per week (daily is recommended) as you are responsible for knowing all information communicated through these channels.

VSU requires that all correspondence between the student and the instructor be conducted through official university channels. To that end, all email correspondence related to this course is to be sent using the email client built into the BlazeVIEW course website. For other correspondence with any VSU faculty members or administrative offices, please use your VSU email account.

If you would like to speak with the instructor by telephone, please email your instructor to arrange a mutually convenient time.

PROFESSIONALISM

The Department of Library and Information Studies expects you to pursue your academic endeavors and conduct yourself in a professional and ethical manner. All work submitted in the course must represent your own efforts. Cite sources and include reference information. You should communicate in a professional manner in both speech and writing and maintain a professional attitude, being respectful to others and their viewpoints. Exercise an awareness of the pervasiveness of the online environment and strive to maintain a professional online presence.

ACADEMIC INTEGRITY

You are responsible for knowing and abiding by the Academic Integrity Policy as set forth in the Student Code of Conduct (<https://www.valdosta.edu/administration/student-affairs/student-conduct-office/student-handbook.php>) and the COEHS Policy Statement of Plagiarism (<https://www.valdosta.edu/colleges/education/deans-office/policy-statement-of->

plagiarism.php). All students are expected to do their own work and to uphold a high standard of academic ethics. Consequences for acts of academic dishonesty are detailed in the COEHS Policy Statement of Plagiarism.

VSU's Academic Student Conduct Code states that "no student shall engage in plagiarism, which is presenting the words or ideas of another person as if they were the student's own." Content generated by an Artificial Intelligence third-party service or site (AI-generated content) without proper citation is another form of plagiarism. If you are unsure about whether something may be plagiarism or another form of academic dishonesty, please reach out to me as soon as possible.

For more information, visit Academic Honesty at VSU (<https://www.valdosta.edu/academics/academic-affairs/academic-honesty-at-vsuhp>).

STUDENT OPINION OF INSTRUCTION SURVEY

At the end of the term, all students will be expected to complete an online Student Opinion of Instruction survey (SOI) that will be available through SmartEvals. Students will receive an email notification through their VSU email address when the SOI is available (generally at least one week before the end of the term). SOI responses are anonymous to instructors/administrators, and they will be able to access results only after they have submitted final grades. Before final grade submission, instructors will not be able to see any responses, but they can see the percentage of students who have or have not completed their SOIs. While instructors will not be able to see student names, an automated system will send a reminder email to those who have yet to complete their SOIs. Students who withdraw or drop a course will also be sent invitations to complete the Dropped Course Survey. Complete information about the SOIs, including how to access the survey, is available on the SOI Procedures webpage (<https://www.valdosta.edu/academics/academic-affairs/sois/>).

NON-DISCRIMINATION AND TITLE IX STATEMENT

Valdosta State University (VSU) upholds all applicable laws and policies regarding discrimination on the basis of race, color, sex (including sexual harassment and pregnancy), sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. The University prohibits specific forms of behavior that violate Title IX of the Education Amendments of 1972. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in education programs and activities that receive federal funding. VSU considers sex discrimination in any form to be a serious offense. Title IX refers to all forms of sex discrimination committed against others, including but not limited to: sexual harassment, sexual assault, sexual misconduct, and sexual violence by other employees, students or third parties and gender inequity or unfair treatment based on an individual's sex/gender. The designated Title IX Coordinator for VSU is Ms. Selenseia Holmes. To view the full policy or to report an incident visit: <https://www.valdosta.edu/administration/student-affairs/title-ix/>

ACCOMMODATION STATEMENT

Students with disabilities who are experiencing barriers in this course may contact the Access Office (<https://www.valdosta.edu/student/disability/>) for assistance in determining and implementing reasonable accommodations. The Access Office is located in University Center Room 4136 Entrance 5. The phone numbers are 229-245-2498 (V), 229-375-5871. For more information, please visit VSU's Access Office or email: access@valdosta.edu. To request

reasonable accommodations for pregnancy and childbirth, contact Christina Kidd, Student Conduct Coordinator at chkidd@valdosta.edu. Please note, you will be required to provide documentation from an appropriately licensed medical professional indicating the requested accommodations are medically necessary.

Helpful Links

Technical Support (IT helpdesk)	https://www.valdosta.edu/administration/it/solutions/
Center for eLearning (support for BlazeVIEW)	https://www.valdosta.edu/academics/elearning/
Academic Support Center	https://www.valdosta.edu/asc/
Hope Connect (Mental Health Services)	https://www.valdosta.edu/administration/student-affairs/student-health/hope-connect-about.php