

VALENCIA COLLEGE

Engineering, Computer Programming, and Technology

DATABASE MANAGEMENT SYSTEMS - CGS 2545C

COURSE SYLLABUS

(Subject to Change)

Instructor: Joan Alexander
Phone: (407) 299-5000 ext. 1542
Virtual Office Hrs:

Monday	10:00 a.m.	12:00 p.m.
Tuesday	10:00 a.m.	12:00 p.m.
Wednesday	10:00 a.m.	12:00 p.m.
Thursday	10:00 a.m.	12:00 p.m.
Friday	10:00 a.m.	12:00 p.m.

E mail: Use Canvas email link

COURSE DESCRIPTION

Principles of database systems, architecture of database management systems, relational model conceptual design and requirement analysis, database design and normalization, query languages, multi-user and distributed database issues; practical use of a DBMS and building of a database application.

CREDIT HOURS

3 hours - 3 contact hours

REQUIRED COURSE MATERIALS

MindTap: Mindtap Ac T/A Shelly Cashman 365 20'
Author: Vermatt
ISBN: 9780357119150
Edition: 1

Software: Microsoft Access 2016 – Offered free through Azure Dev Tools. Refer to Canvas Modules for details. All work can be completed with either Microsoft Access 2016 or Microsoft Access 2019.

Computer: The Assignments in this class cannot be completed using a MAC computer unless you install a virtual machine (e.g. VMware Fusion, Parallels Desktop, Oracle VirtualBox) and a copy of Windows.

If you need a computer, please email the CPA/IT Lab Manager, Yamil Casanova, at yriver10@valenciacollege.edu immediately.

CLAST COMPETENCIES:

Valencia faculty has defined four interrelated competencies (Value, Think, Communicate, Act) that prepare students to succeed in the world community. These competencies are outlined in the Course Catalog. In this course, through classroom lecture and discussions, group lab work, and other learning activities, you will further develop mastery of these core competencies.

VALENCIA STUDENT COMPETENCIES:

The following Valencia Student Competencies will be reinforced throughout the entire course.

THINK

Think clearly, critically, and creatively. Analyze, synthesize, integrate, and evaluate in many domains of human inquiry.

To think, what must you do?

Analyze data, ideas, patterns, principles, and perspectives.

Employ the facts, formulas, and procedures of the disciplines.

Integrate ideas and values from different disciplines.

Draw well-supported conclusions.

Revise conclusions consistently with new observations, interpretations, or reasons.

VALUE

Make reasoned value judgments and responsible commitments.

To value, what must you do?

Recognize the values expressed in attitudes, choices, and commitments.

Distinguish among personal, ethical, aesthetic, cultural, and scientific values.

Employ values and standards of judgment from different disciplines.

Evaluate your own and others' values from individual, cultural, and global perspectives.

Articulate a considered and self-determined set of values.
How and where must you value?
 With empathy and fair-mindedness
 Individually and in groups

COMMUNICATE

To communicate, what must you do?
Identify your own strengths and need for improvement as communicator.
Employ methods of communication appropriate to your audience and purpose.
Evaluate the effectiveness of your own and other's communication.
How and where must you communicate?
 By speaking, listening, reading and writing
 Verbally, non-verbally, and visually
 With honesty and civility

ACT

Act purposefully, respectfully, and responsibly.
To act, what must you do?
Apply disciplinary knowledge, skills, and values to educational and career goals.
Implement effective problem-solving, decision-making, and goal setting strategies.
Act effectively and appropriately in various personal and professional settings.
Assess the effectiveness of personal behavior and choices.
Respond appropriately to changing circumstances.
How and where must you act?
 With courage and perseverance
 Individually and in groups
 In your personal, professional, and community life

FINAL GRADING SCALE

30%	Capstone
25%	End of Module Projects
20%	SAM Trainings
<u>25%</u>	Discussion Board Postings
100%	TOTAL

GENERAL GRADING SCALE

A = 90 - 100
B = 80 – 89
C = 70 – 79
D = 60 – 69
F = 0 – 59

COURSE REQUIREMENTS

Capstone: You will be completing the cumulative **SAM Capstone Project** in MindTap throughout the semester. Each part of the **SAM Capstone Project** must be completed during the days it is available. **No makeup work will be allowed.** Any work missed will result in zero (0) points earned.

End of Module Projects: At the end of each Module, you will complete the **End of Module Project** in MindTap. These activities are assigned to help master the material in the text. Each completed **End of Module Project** is worth one hundred (100) points and must be submitted by the due date. **Incomplete or missed End of Module Project cannot be made up and will receive zero (0) credit.**

SAM Trainings: Prior to the completion of each textbook Module, you will complete the **SAM Training** in Mindtap to introduce you to important database concepts presented in each Module. Each completed **SAM Training** is worth one hundred (100) points and must be submitted by the due date. **Missed SAM Trainings cannot be made up and will receive zero (0) credit.**

Discussion Board: There are four (4) Discussion Board topics throughout the semester. You post an original answer to the Discussion Board topic and answer the posting of one of your classmates for a total of two (2) postings per Discussion Board topic. Your original posting to the Discussion Board topic must be between 75 and 100 words. Your posting in answer to your classmate must be between 50 and 75 words. Points will be deducted for postings that do not meet the word count requirement. All postings must be checked for typographical and grammatical errors. Points will be deducted otherwise. Additionally, no points will be earned for postings that do not address the Discussion Board topic. **Late postings are not accepted. There are no exceptions to this rule.**

Grade Book: As you complete each assignment in MindTap, your grade will automatically sync to your Canvas grade book. If MindTap does not sync your grade correctly, please email me, and I will investigate the issue.

DISCLAIMER

Changes to the syllabus and/or schedule may be made at any time during the term by announcement of the professor. A revised syllabus may be issued at the discretion of the professor.

OFFICE OF STUDENTS WITH DISABILITIES

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (West Campus SSB 102, ext. 1523).

DISRUPTIVE BEHAVIOR

Any student engaged in disruptive behavior will be advised on the first offense and will be dropped from the course on the second offense.

ACADEMIC DISHONESTY

All forms of academic dishonesty are prohibited. This includes, but is not limited to, plagiarism, cheating, furnishing false information, forgery, alteration or misuse of documents, misconduct during a testing situation, or submitting the work of others for credit. Any student found to be cheating in any situation will receive a zero (0) on the assignment and will have their final grade lowered one letter grade. The student may also be withdrawn from the class at the professor's discretion. Any student found to be cheating on more than one occasion will automatically be withdrawn from the class and will be subject Valencia College disciplinary action.

WITHDRAWAL FROM CLASS

The last day to receive a withdrawal from class without penalty is Friday, June 26, 2020. The withdrawal must be done on or before this date. After the withdrawal date, the student will not be able to withdraw from the class. Always talk with the professor prior to withdrawing from this or any class.