Syllabus and Course Outline

MIS 526 Database Management

Professor:  Dr. Bob Folden
Office Number:  BA 311
Phone:  Office (903) 468-6053 (email is the best way to contact me)
E-mail:  Bob_Folden@tamu-commerce.edu
Office Hours:  Monday and Thursday 9:30 am to 12:00 pm and other times by special appointment.

Course Description:
This course provides a foundation for the design, implementation, and management of database systems. Students will study both design and implementation issues, however, database management issues will be emphasized. Management issues will include transaction management and concurrency control, distributed database management systems, and database administration.

Course Prerequisite(s):
MIS 128 or CSci 126 or ETec 224 or IET 101 or consent of instructor.

“Requests from students with disabilities for reasonable accommodations must go through the Academic Support Committee. For more information, please contact the office of Advisement Services, BA 314, (903) 886-5133.”
Course Objectives:

1. The advantages, disadvantages and characteristics of file systems and different types of database systems
2. The main DBMS functions
3. The basic relational database and table’s components and concepts
4. How to interpret the symbols for E-R modeling tools and how ERD components affect database design and implementation
5. What normalization is, normalization techniques and what role normalization plays in the database design process
6. How SQL is used for data manipulation, querying and data administration and the basic commands and functions of SQL
7. How to conduct a database initial study and conceptual design and the steps involved in the Database Life Cycle
8. How database transaction are managed
9. What concurrency control is and what role it plays in maintaining the database’s integrity
10. How database recovery management is used to maintain database integrity

Accommodations
Students requesting accommodations for disabilities must go through the Academic Support Committee. For more information, please contact the Director of Disability Resources & Services, Halladay Student Services Bldg., Room 303D, (903) 886-5835.

Conduct
“All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (See Guidebook, p. 42-45)

Academic Integrity
Academic integrity is the pursuit of scholarly activity free from fraud and deception and is an educational objective of this institution. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating of information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students

All work submitted to this Instructor may be submitted to an academic integrity verification service such as Turnitin.com.

You are responsible for authenticating any assignment submitted to this instructor. If asked, you must be able to produce proof that the assignment submitted is actually your own work. Therefore, it is recommended that you engage in a verifiable working process on assignments. Keep copies of all drafts of your work, make photocopies of research materials, keep logs or journals of your work on assignments, and papers, learn to save a version of assignments under individual filenames on computers or diskettes, etc.

The inability to authenticate your work, should it be requested, is sufficient grounds for failing an assignment.

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Grading Percentages

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>90% or more of total points</td>
<td>1,600</td>
</tr>
<tr>
<td>B</td>
<td>80-89 percent of total points</td>
<td>200</td>
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<tr>
<td>C</td>
<td>70-79 percent of total points</td>
<td>200</td>
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<tr>
<td>D</td>
<td>60-69 percent of the total points</td>
<td>200</td>
</tr>
<tr>
<td>F</td>
<td>59% or less of the total points</td>
<td>200</td>
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Eight Assignments @ 200 points
Ten Discussions @ 20 points
Journal submissions for 200 points

Total Points Possible = 2,000

You will submit your work through eCollege.

Late assignments may have points deducted from the final score.

Using someone else's words or ideas as if they were your own is plagiarism. The way to avoid this is to give credit to the author. Use citations to give credit to the author; you will gain the respect of other professionals, and you will also avoid an automatic F on the paper and most likely for the course.

“All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (See the Student’s Guide Book)

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Course Outline and Assignments:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Date</th>
<th>Reading Assignment</th>
<th>Assignment</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>January 23</td>
<td>Chapter 1 in HOD</td>
<td>Assignment 1: Granfield College P. 18</td>
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<tr>
<td></td>
<td></td>
<td>Introduction in VQG SQL</td>
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<tr>
<td>2</td>
<td>January 30</td>
<td>Chapter 2 in HOD</td>
<td>Assignment 2: Granfield College P. 39</td>
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<td>February 6</td>
<td>Chapter 3 in HOD, Chapter 3 in VQG SQL</td>
<td>Assignment 3: Granfield College P. 59</td>
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<td>3</td>
<td>February 13</td>
<td>Chapter 4 in HOD</td>
<td>Assignment 4: Granfield College P. 79</td>
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<td>February 20</td>
<td>Chapter 5 in HOD, Chapter 2 in VQG SQL</td>
<td>Assignment 5: Granfield College P. 99</td>
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<td>4</td>
<td>February 27</td>
<td>Chapter 6 in HOD, Chapter 3 in VQG SQL</td>
<td>Assignment 6: Granfield College P. 122</td>
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<td>March 5</td>
<td>Chapter 7 in HOD, Chapter 10 in VQG SQL</td>
<td>Assignment 7: Granfield College P. 150</td>
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<td>5</td>
<td>March 12</td>
<td>Chapter 8 in HOD, Chapter 13 in VQG SQL</td>
<td>Assignment 8: Granfield College P. 169</td>
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Assignments are due 2400 hours (midnight) of the date that they are assigned.