

**MGIS 4330**  
**Business Database Management II**  
TuTh 2-3:20 pm, SHB 340

**Instructor:** Kamphol Wipawayangkool, Ph.D.  
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**Office:** SHB 236T  
**Office Hours:** TuTh 3:30-5 pm.  
**Phone:** 936-294-4049

**Software:** Microsoft SQL Server 2017 Standard or Enterprise Edition  
**Note:** In Feature Selection during installation, check "Management Tools – Basic".

**Microsoft Imagine:** (Use the same username and password as you used in MGIS 2320)  
<https://e5.onthehub.com/WebStore/Security/Signin.aspx?ws=5601d5ef-e89b-e011-969d-0030487d8897&vsro=8&rurl=%2fWebStore%2fProductsByMajorVersionList.aspx%3fws%3d5601d5ef-e89b-e011-969d-0030487d8897%26vsro%3d8&JSEnabled=1>

**Textbook:** Murach's SQL Server 2016 for Developers, by Bryan Syverson and Joel Murach  
ISBN: 9781890774967

**Course Description:** This course provides knowledge and skills for database design and particularly implementation in a multi-user business environment using relational DBMS software. Case studies will be used to illustrate the applications of database systems for business decision making. Emerging relevant technologies and their applications will also be covered. Students will get hands-on experience with advanced commercial database technology. Credit 3. Prerequisite(s): MGIS 2320, MGIS 3330, Junior standing.

**Learning Outcomes:** The students are expected to be able to:

- Understand and apply essential relational database design and implementation concepts.
- Understand and apply essential SQL skills to create, retrieve, update, and delete relational databases.
- Understand and apply advanced SQL skills such as views, scripts, stored procedures, and functions.

**Course Requirements:**

Quizzes/Homework	40%
Exams (20*3)	60%
<b>TOTAL</b>	<b>100%</b>

A = 90% and above  
B = 80% - 89%  
C = 70% - 79%  
D = 60% - 69%  
F = 0% - 59%

**Attendance:** Attendance is considered mandatory. You are responsible for the materials you miss.

**Homework/Quizzes:** The instruction and how to submit will be provided in class and/or posted online according to the course schedule. Homework/quizzes must be submitted by midnight on the due date, otherwise half of the points will be deducted.

**Examinations:** If you miss an exam without a valid excuse, your grade in that exam will be zero. You will be eligible for a make-up exam, ONLY IF you have informed the instructor in advance, or with a valid excuse (i.e. illness, car accidents, death in the family, and participation in University sponsored events); proper documentation is expected. If you are caught sending text messages, accessing e-mail or the Internet, or talking on your cell phone or to another individual, etc., you will receive zero for that exam.

### **Tentative** Course Schedule

<b>Date</b>	<b>Topic</b>
1/18	Syllabus / Introduction
1/23	Data Retrieval
1/25	Data Retrieval
1/30	Data Retrieval
2/1	Data Retrieval
2/6	Summary Queries
2/8	Subqueries
2/13	Insert, Update, Delete
2/15	Insert, Update, Delete
2/20	Data Types / Functions
2/22	Database Design and Implementation
2/27	Database Design and Implementation / Review
<b>3/1</b>	<b>Exam 1.1: Multiple choices / Q1-5 Due: 3/1 by 11:59 pm</b>
<b>3/6</b>	<b>Exam 1.2: Coding</b>
3/8	Extra Credit Coding
<i>3/13, 15</i>	<i>Spring Break</i>
3/20	Views
3/22	Scripts
3/27	Scripts
3/29	Stored Procedures
4/3	Stored Procedures
4/5	Stored Procedures
4/10	Stored Procedures
<b>4/12</b>	User-defined Functions
<b>4/17</b>	User-defined Functions
4/19	Review
4/24	<b>Exam 2.1: Multiple choices / Q6-10 Due: 4/24 by 11:59 pm</b>
4/26	<b>Exam 2.2: Coding</b>
<b>5/1</b>	Review for MTA
5/3	<b>Exam 3: MTA Exam</b>
<b>5/8, 3:30-5:30 pm</b>	<b>Exam 3: MTA Exam</b>

**Syllabus Changes:** The instructor reserves the right to make changes to the syllabus as necessary;

**\*\*\* Students are responsible to be aware of changes announced in class, email, and/or via Blackboard. \*\*\***

#### **OTHER**

- Students are responsible for abiding by all published University rules and regulations as printed in the *Undergraduate Catalogue*, *Student Guidelines*, and in other official University publications. You may find online a more detailed description of the following policies. These guidelines will also provide you with a link to the specific university policy or procedure: <http://www.shsu.edu/syllabus/>
- Academic Dishonesty:** All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials. For a complete listing of the university policy, see: <http://www.shsu.edu/administrative/faculty/sectionb.html#dishonesty>
- Student Absences on Religious Holy Days:** Students are allowed to miss class and other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Students remain responsible for all work. [http://www.shsu.edu/~vaf\\_www/aps/documents/861001.pdf](http://www.shsu.edu/~vaf_www/aps/documents/861001.pdf)
- Students with Disabilities Policy:** It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should visit with the Office of Services for Students with Disabilities located in the Counseling Center. [http://www.shsu.edu/~vaf\\_www/aps/811006.html](http://www.shsu.edu/~vaf_www/aps/811006.html)