



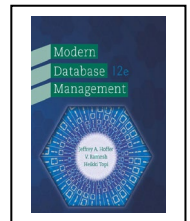
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**Instructor:** Dr. Wei Sha  
**Office:** Kelce 223E  
**Hours:** Zoom meetings or by appointment  
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### Textbooks and Other Required Materials

1. Modern Database Management, 13th edition, by Hoffer, Venkataraman, and Topi, published by Prentice Hall. ISBN 9780134773650
2. A Guide to SQL, 9th edition, by Pratt and Last, published by Thomson Course Technology, ISBN 9781111527273
3. MySQL Workbench and StarUML
4. Microsoft SQL Sever and SQL Sever Management Studio
5. Microsoft Visual Studio



### Catalog Course Description

Introduces student to advanced database design and implementation techniques such as advanced SQL, data warehousing, object-oriented database applications, database quality and administration, distributed database etc. This course will also provide students with opportunities in projects and learning through collaborations.

### Prerequisites

CIS 615 Database Management

### Course Objectives / Learning Outcomes

1. Be able to conduct advanced analysis and design of modern databases.
2. Be able to demonstrate knowledge in data warehouse design and management.
3. Be able to handle advanced SQL queries.
4. Be able to use object-oriented programming tools for application designs.
5. Be able to conduct a databased project from design to implementation.

### Teaching Methods

Lectures, discussions, in class demonstrations, video demonstrations, etc.

### Canvas

The Canvas system will be used as a primary means to distribute class materials and information. It is your responsibility to check the Canvas frequently about class announcements, quizzes, assignments, and exam information.

### **Attendance Policy**

Students are expected to attend every class. Students who have school-sponsored activities that will conflict with any scheduled class activities or quizzes should let the instructor know ASAP with written notifications.

### **Classroom Conduct**

Please be a professional at all times, and adhere to the student code of conduct policy by Kelce College of Business.

### **Course Outline**

The tentative outline is presented as weekly modules on Canvas.

### **Academic Integrity**

Academic misconduct or dishonesty is inconsistent with membership in an academic community and will not be tolerated. You are expected to do your own work. Unless otherwise specified, homework which is a group effort will result in the points awarded for the assignment being shared among the group members. Other penalties include, but are not limited to, a score of zero for the assignment in question, a final grade below the letter grade earned, and an F for the course. Please refer to page 36 in the 2001-2003, page 38 in the 2003-2005, and page 39 in the 2005-2007 University Catalogs, respectively, and note that the University reserves the right to expel those guilty of academic dishonesty.

There are always students caught cheating every semester. If a student is caught cheating, the minimum penalty will be a score of zero for the assignment in question.

All Pitt State students are bound by the academic integrity policies of the university as described and outlined in the current Syllabus Supplement. Please familiarize yourself with these rules and guidelines. In addition, as a course offered through the Kelce College of Business, students in this class are obligated to adhere to the college's Student Code of Ethics as outlined below.

Students pledge to:

- Arrive on time, remain until dismissed at all class sessions, and notify instructors in advance of anticipated absences, late arrivals, or early departures whenever possible.
- Turn off cell phones or other electronic devices while in class, unless permission to use them has been granted.
- Refrain from class disturbances.
- Refrain from use of profane or vulgar language in a threatening or disruptive manner.
- Treat fellow students, staff, faculty, administrators, and property with respect.
- Refrain from giving or receiving inappropriate assistance.



- Prepare assignment and exams honestly, refraining from such unacceptable conduct as plagiarism or unacknowledged appropriation of another's work in any academic work.
- Obey the policies, regulations, and laws of the United States of America, the State of Kansas, The Kansas Board of Regents, Pittsburg State University, and the Gladys A. Kelce College of Business.
- If a student observes someone committing dishonesty in connection with academic work, the student is encouraged to report that dishonesty to the appropriate individual (ex, faculty member, or administrator).

### **Students with Disabilities**

Please inform the instructor if you have a learning or physical disability that interferes with course requirements. Assistance and/or appropriate accommodations may be available through the contacts listed on the current Syllabus Supplement.

### **Course Evaluation Methods**

1. Homework (approximately 200 points total): Homework is due at the specified time on the due date. There will be about 10 assignments.

**Late homework will NOT be accepted and will receive a zero.**

2. Quizzes (approximately 30 points, three quizzes, 10 points each)  
We will have about three scheduled quizzes. All quizzes should be completed during the allocated time period.

**Late quizzes will NOT be accepted and will receive a zero.**

3. Exams (approximately 200 points, 100 points each):  
We'll likely have two exams through the semester. Each exam will be announced ahead of time with detailed instruction. All exams must be completed on or before allocated time period.

**Absences from exams without instructor's prior approval will result in a grade of zero for that exam.**

4. Project (100 points):  
This will be a team project that will be presented in class during the final week. It will cover all stages of database development and prototype building. More details will be announced later.
5. There could be extra credit opportunities through the semester. Extra credit assignments can't be made up.



**KELCE**  
COLLEGE OF BUSINESS  
Pittsburg State University

**Course Syllabus:**  
Advanced Database Management  
CIS 625, Section 01  
TTH 11:00 to 12:15  
Kelce 105

6. Grades: The grading scale is as follows: 90% to 100%, A; 80%-89%, B; 70% - 79%, C; 60% - 69%, D; Below 60%, F.
7. Although I sympathize with personal conflict (need a B to graduate, need a C to stay in school, etc.), I believe that they cannot validly be considered in grade calculations. Giving personal considerations to one student is unfair to the rest of the class. Therefore, personal conflicts will not be considered in grade calculation. So, please do not ask.

**Note**

The instructor reserves the right to amend and to reorganize this syllabus at any time.