SYLLABUS
(TN)
Course: CIT352 Advanced Database Administration II
Faculty: Mark Revels. Ph.D.

Course Catalog Description
A continuation of CIT 350 with emphasis on developing distributed database solutions, client–server models for business use and advanced SQL.

Topics and Objectives
An Introduction to SQL
- Understand the concepts and terminology associated relational databases
- Create and run SQL commands in Oracle, Microsoft Access, and MySQL
- Identify and use data types to define columns in SQL tables
- Understand and use nulls
- Add rows to tables
- Describe a table's layout using SQL.

Single-Table Queries
- Retrieve data from a database using SQL commands
- Use compound conditions
- Use computed columns
- Use the SQL LIKE operator
- Use the SQL IN operator
- Sort data using the ORDER BY clause
- Sort data using multiple keys and in ascending and descending order
- Use SQL aggregate functions

Multiple-Table Queries
- Use joins to retrieve data from more than one table
- Use the IN and EXISTS operators to query multiple tables
- Use a subquery within a subquery
- Use an alias
- Join a table to itself
- Perform set operations (union, intersection, and difference)

- Use of the ALL and ANY operators in a query
- Perform special operations (inner join, outer join, and product)

Welcome!

Welcome to CIT 352 – Database Administration II! My name is Mark Revels and I am anticipating a rewarding, fun experience for all of us with the primary focus being that you have an opportunity to learn about information systems.

Class Location/Times

This class is delivered in an online format. Because it contains a significant number of online assignments, it will be necessary for students to have access to reliable Internet connections. The class is available at the following website: Blackboard

Required Material(s)

SQL Fundamentals (3rd Edition) [Paperback] by John J. Patrick
Paperback: 832 pages
Publisher: Prentice Hall; 3 edition (September 12, 2008)
Language: English
ISBN-10: 0137126026
ISBN-13: 978-0137126026

An alternative text would be:

A Guide to SQL, Ninth Edition
Philip Pratt
ISBN-10: 1-111-52727-3 © 2015

Where to buy:
WKU Bookstore OR other vendors.

Other Resources
If you do not already have a relational database available, download and install Access, Oracle, MySQL, or other RDBMS that supports ANSI SQL.

Instructor Information
Name: Mark Revels, Ph.D.
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Email: mark.revels@wku.edu, mark@markarevels.com (alt.)
Phone: Voice 270-303-3019
Webpage: markarevels.com

My office hours are as follows:

- Tuesday through Thursday, 9-11a Central

Email is the best method of contact. I usually respond in less than 24 hours except on weekends. Please don't wait until the weekend. Also, when e-mailing, please put the course name in the subject line. E-mail labeled in this manner receives higher priority.

Note that if you try to contact me late on Friday, you will likely not get a response until late Sunday or Monday.

Assignments & Point Values

The grading scale that will be used is:

- A = 900 – 1,000 points
- B = 800 – 899 points
- C = 700 – 799 points
- D = 600 – 699 points
- F = 0 – 599 points (or cheating)

Please see the Course Master Schedule in the Start Here section of Blackboard for more details.

Please be sure to review your grades right away; corrections will not be made more than seven days after the initial grade is posted. Likewise, no grades will be changed after the end of the course, so please do not ask.

Activities
The minimal learning activity unit format is described as follows:

1.   You are to READ the assigned text material and any other posted ancillary materials (videos, etc.). You should also review your DB's documentation whenever a new SQL statement is covered in the text. This is important because the text may not cover the syntax in sufficient detail. For these reading assignments, there are no grades.

3.   While they are not graded, you are to COMPLETE the unit exercises as assigned in Blackboard. One or more of these exercises (or concepts represented) will appear in Part 2 of the final exam, so being thoroughly familiar with the material will support your overall grade.

4.   You will TAKE practice quizzes that are assigned for each unit. These are worth 50-points each. As these are learning activities, you should prepare by reading the text, reading your DB documentation, reviewing any provided ancillary materials, and practicing heavily. Answers are provided when you finish. You may use these to review for Part 1 of the final exam.

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NOTE: The Unit 1 quiz is an assessment of your basic DB knowledge. You will receive 9.99 points for taking the exam regardless of your score. If you score less than 70%, you need to review basic DB concepts before continuing with the course.

Instructor Feedback

In general, I will post weekly grades no later than the Wednesday following the end of the class week. I tend to comment little if you are doing well (>80%) and comment more if you are not (< 80%). However, at any time if you have questions about any comments and/or grades, please contact me within three or four days at most while the issues are still fresh in both our minds. This will help to iron any issues out as soon as possible.

In the event a Blackboard grading rubric is used, that is your feedback. Again, if you have additional questions, contact me as soon as possible.

Also, if I mistakenly note you as missing any assignments and you did submit them, please immediately let me know the time and date you posted. I will be very, very happy to download the post and correct my records. I will not make changes to grades after one week of posting.

Non-Graded Assignments

Some activities that you will complete during the course are ungraded or carry no point value (like reading assignments). However, it is very important that you complete these activities. Non-completion of these activities may negatively impact your graded work.

Incompletes

All incomplete requests must follow school guidelines. See the University catalog.

Extra Credit

There is no extra credit or make-up work as the class assignments reflect what is required for successful completion of this course.

Academic Standards

I expect all students to support the same respect for individuals, commitment to issue and problem resolution, and open communication and feedback as in any learning environment.

Specifically, all students are expected to:

- Accept responsibility and accountability for all use actions and content posted to any online classroom, public meeting or personal inbox (email).
- Maintain the same ethical standards expected in a collaborative, academic environment.

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- Demonstrate respect for all faculty, students, and staff regardless of age, race, gender, religion, national origin, veteran's status, disability, or sexual orientation.

In the online environment, the following will not be tolerated:

- Harmful, threatening, libelous, or abusive content
- Profanity of any kind
- Copyright infringement or violation of patent, trademark, proprietary information, or confidentiality agreements
- Misrepresentation of identity through alteration of inbox (email) names
- Posting unsolicited advertisements to public meetings or private inboxes (no spamming)
- Transferring computer viruses, intentionally or unintentionally, or other code that disrupts or interferes with other users' use of the online environment or personal computers, systems, or networks.

Honesty
I highly value academic honesty. A student must always submit work that represents his or her original words or ideas. If any words or ideas are used that do not represent the student's original words or ideas, then the student must cite all relevant sources. The student should also make it clear the extent to which such sources are used.

Words or ideas that require citation include, but are not limited to, all hardcopy or electronic publications, whether copyrighted or not, and all verbal or visual communication when the content of such communication clearly originates from an identifiable source.

All submissions to any public meeting or private mailbox fall within the scope of words and ideas that require citations if used by someone other than the original author.

Academic dishonesty in an Online learning environment could involve the following:

- Having a tutor or friend complete a portion of your assignments
- Having a reviewer make extensive revisions to an assignment
- Copying work submitted by another student to a public class meeting
- Using information from on-line information services without proper citation
- Using a direct quote as a paraphrase

Any of these practices could result in charges of academic dishonesty. Sanctions range from failing assignment or class grades to expulsion.

I consider academic honesty a very serious issue. I have, and will fail students that I discover are not adhering to the above guidelines.

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Class Navigation

Go to [Blackboard](#) and follow the login instructions (usually available by the first day of class). This site will be the primary means for quizzes, grades, announcements, exam and homework scores, reading materials, discussions, and other supplemental course information that you will need. Please be sure and check this site regularly

Computer Access

This class requires each student to make use of several software packages, various other software tools and the Internet. All required resources are available either in the general Student Computer Labs across campus, on WKU Extended campuses, and typically, at public libraries. Lack of hardware, software and Internet connectivity at home to complete any assignment is not an acceptable reason for not completing work. You may work from any location you prefer (home, work, etc…), but you will need access to MS Office software.

Technology Issues

School servers are unavailable from time-to-time. Accordingly, I will accept e-mailed assignments to my personal mailbox for time-stamping purposes only. However, once Blackboard is available to you, in order to receive a grade, the assignment must be posted to the appropriate submission area.

Also, from time to time the Blackboard system will lock-up during a quiz or exam. If this happens, please contact me as soon as possible. I can only reset the exam, which means you will have to take it over (this includes final exams). If you wait until the last minute to take an exam, you may not be able to reset due to time limitations.

For comments/complaints about technology issues (for example, Blackboard exam problems), please contact the Office of the Chief Information Technology Officer (270-745-2243).

Late Assignments

Due to the nature of this course there are no due dates. However, recall that:

- Students on financial aid must complete this class in the semester in which it is started.
- Students not on financial aid must complete this course within nine months after it is started.

Title IX Misconduct/Assault Statement

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholdingWKU's Title IX Sexual Misconduct/Assault Policy (#0.2070) at https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf and

Discrimination and Harassment Policy (#0.2040) at
https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf.

Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and MUST report what you share to WKU's Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's Counseling and Testing Center at 270-745-3159.

ADA Accommodation Statement
In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at sarc.connect@wku.edu . Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.