

IT 3060C Database Management II Syllabus

Instructor

Name

Email

Office Location:

Remote

Office Hours and Location:
meeting)

Appointment Only (use link or email to schedule)

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Course Description

Database development using popular database packages. Tables, forms, queries, reports and building applications that automate database functions. Hands-on active learning required.

Credit Hours, Course Format

3 credit hours; Online

Course Learning Outcomes

Upon completion of this course, the student will be able to:

SLO1. Implement stored procedures

SLO2. Implement triggers

SLO3. Design and create views

SLO4. Perform administrative tasks such as denormalization, reading log files, backing up databases, scheduling and creating user accounts

SLO5. Set up security for the database system

SLO6. Describe the concepts of transaction management, concurrency control and recovery

SLO7. Design a small database using the normalization rules

Course Materials

Book – Murach’s SQL Server 2019 for Developers -- <https://www.murach.com/>

LinkedInLearning (LIL) – UC has a subscription to LIL and one can access this via the Bearcats Landing page

DatabaseAnswers (DBA) -- databaseanswers.org (has over 1800 database designs and several tutorials)

SQL Server Central (SSC) -- www.sqlservercentral.com/stairways

W3Schools.com Tutorials (W3S) -- <https://www.w3schools.com/>

Safari Books Online (free - SBO must be accessed via the UC Libraries website)

SQL Server Management Studio Download - <https://www.microsoft.com/en-us/sql-server/sql-server-downloads?rtc=1>

Required Technology

Instructions will be provided in class, but the following technology will be used in this course:

- SQL Server 2019 Developer
- SQL Server Management Studio

Course Activities and Grading

Communication and Feedback Policy

Email is the best way to communicate; email the instructor with questions, to arrange an office hour appointment, or to inform if you will miss a class. You can expect a response within 24 hours during the week and 48 hours on the weekend. **Please list the course number and section in the subject or message of the email for faster response.**

Late or Missing Assignment Policy

Remember that assignments are in the Canvas Course shell with a due date. There will be a penalty of 10% per day for any late submissions capped at 50% max deductions.

You cannot pass this class without submitting your homework assignments. To receive an A in this course, you must do “A” work. Do not ask in the final weeks of the semester how to get an A in the course; do quality work starting in week 1.

Grading Scale

93.00% and above = A
90.00%-92.99% = A-
87.00%-89.99% = B+
83.00%-86.99% = B
80.00%-82.99% = B-
77.00%-79.99% = C+
73.00%-76.99% = C
70.00%-72.99% = C-
67.00%-69.99% = D+
63.00%-66.99% = D
60.00%-62.99% = D-
less than 60.00% = F

The grades are weighted as follows:

- Module 1, 2, 3, 4 – 15% each
- Module 5 – 20%
- Group Project 20%

Course Schedule

There are 5 modules for this course. Below is the basic outline of each module. Most modules have a lab and a quiz to complete. There is also a final project.

Module 1 SQL Review and Database Design

Module 2 Creating Database, Objects, Views and Scripts

Module 3 Midterm Project

Module 4 Creating Stored Procedures, Functions and Triggers

Module 5 Database Security

Final Project

UC Policies

Attendance: Students at the University of Cincinnati are expected to attend classes in order to meet the learning objectives for the course. Students are expected to follow the class attendance policy as outlined by the instructor. Students participating in official

University sponsored activities, where the student is representing the University, will meet with instructor related to absences due to university-sponsored activities. When such absences occur, students need to provide documentation of the event(s), and work with the professor to develop a written plan for completion of missed assignments or other course requirements with as much advance notice as possible.

Communication: All university business must be conducted using a university assigned email account. The use of a personal, or non-university assigned email account to conduct university business is strictly prohibited. [See full policy here.](#)

Class Cancellation Policy: In the rare case that a class must be cancelled, faculty will post an announcement on the LMS that will be emailed to students. Faculty will attempt to communicate class cancellations with as much advance notice as possible. Students should be sure that their LMS email is current and valid to ensure emails are received. If the University closes due to inclement weather or other emergency situations, there will be an announcement posted on Blackboard (LMS) and if possible on the local news channels (TV and radio). Communications related to University closures will also be sent to the student's cell phone number on record through the automatic University emergency text messaging system. Students should notify the University if they change their cell phone number to ensure they will receive these important emergency communications.

Academic Integrity: The University of Cincinnati is committed to academic integrity. A formal articulation of this commitment is articulated in the Student Code of Conduct. Any violation of these rules, including plagiarism or cheating will be handled on a case-by-case basis. At the least, you should anticipate a zero on an assignment, at the fullest extent, your violation will be reported to the university and the incident will be documented on your permanent record.

Accessibility and Special Needs: The University of Cincinnati is committed to providing all students with equal access to learning opportunities. [Accessibility Resources](#) is the official campus office that works to arrange for reasonable accommodations for students with an identified physical, psychological or cognitive disability (learning, ADD/ADHD, psychological, visual, hearing, physical, cognitive, medical condition, etc.) Students are encouraged to contact the Accessibility Resources Office to arrange for a confidential meeting to discuss services and accommodations. Contact should be initiated as soon as possible to allow adequate time for accommodations to be arranged.

Counseling Services: All UC students have access to counseling and mental health care through University Health Services (UHS), which can provide both psychotherapy and psychiatric services. In addition, Counseling and Psychological Services (CAPS) can provide

professional counseling upon request; students may receive five free counseling sessions through CAPS without insurance. Students are encouraged to seek assistance for anxiety, depression, trauma/assault, adjustment to college life, interpersonal/relational difficulty, sexuality, family conflict, grief and loss, disordered eating and body image, alcohol and substance abuse, anger management, identity development, and any other issues or concerns. After hours, students may call UHS at 513-556-2564 or CAPS Cares at 513-556-0648. For urgent physician consultation after-hours, students may call 513-584-7777.

Title IX: Title IX is a federal civil rights law that prohibits discrimination on the basis of a person's actual or perceived sex, gender, gender identity, gender expression, or sexual orientation. Title IX also address instances of sexual violence, dating or domestic violence, and stalking. If a student discloses a Title IX issue to a faculty member, the faculty member is required to forward that information to the Title IX Office. The Title IX office will follow up with the student and discuss how the University can take steps to address the impact on the student and the community. They will also inform the student of their rights and direct them to available resources. The priority is to make sure students are safe and successful here at the University of Cincinnati. Students are not required to talk to anyone in the Title IX Office. Students may also directly report any instance of sex or gender-based discrimination, harassment or violence to the Title IX office at 513-556-3349. Students who wish to know more about their rights and resources on campus, they can consult the [Title IX website](#) or contact the Title IX office directly at 513-556-3349.

Mental Health Resource: As a UC college student, there may be times when personal stressors interfere with your academic performance and/or negatively impact your daily life. If you or someone you know is experiencing challenges such as strained relationships, increased anxiety, feeling down, difficulty concentrating, lack of motivation, etc., you are not alone; there are people here that can help.

- To schedule: please contact Counseling and Psychological Services (CAPS) at 513-556-0648 to schedule a virtual or in-person appointment with our CAPS CECH embedded counselor, Madeleine Muller, located in the CECH Student Services Center in Suite 360 of the Teachers-Dyer Complex.
- Have questions before committing to an appointment? Check out Let's Talk; a 15-20-minute conversation to ask questions about counseling and get to know our counselor: <https://outlook.office365.com/owa/calendar/LetsTalkCECH@mailuc.onmicrosoft.com/bookings/>
- After hours crisis line: 513-556-0648

Student Religious Accommodations: Ohio law and the University's Student Religious Accommodations for Courses Policy 1.3.7 permits a student, upon request, to be absent for reasons of faith or religious or spiritual belief system or participate in organized activities conducted under the auspices of a religious denomination, church, or other religious or spiritual organization and/or to receive alternative accommodations with regard to examinations

and other course requirements due to an absence permitted for the above-described reasons. Not later than fourteen days after the first day of instruction in the course, a student should provide the instructor with written notice of the specific dates for which the student requests alternative accommodations. For additional information about this policy, please get in touch with the Executive Director of the Office of Equal Opportunity and Access at (513) 556-5503 or oeohelp@UCMAIL.UC.EDU.

NOTE: The instructor reserves the right to update this syllabus as class needs arise. Be assured that they will communicate to you any changes to the schedule, syllabus or policies quickly and efficiently.