

**COURSE SYLLABUS FOR  
CIT-253-90Z1-87479 (3 Credit Hours)  
Data Driven Web Pages  
4226\_90Z1  
2023 Spring (16 Weeks)**

**INSTRUCTOR:** Charles W(Bill) Marshall

**EMAIL ADDRESS:** cmarshall0050@kctcs.edu

**OFFICE LOCATION:** Not Applicable / Off Campus

**OFFICE HOURS:** Announced weekly via email and Blackboard

**MEET ME LINK FOR APPOINTMENTS:** Use email to request an appointment during office hours

**OFFICE PHONE NUMBER/EXTENSION:** 606 375 2076

**OFFICIAL COURSE DESCRIPTION:**

Provides students with the knowledge and skills to design, implement, and manage a database-driven web site. Includes the study of databases and web servers in e-commerce, transaction processing, and client-side and server-side Web scripting. Includes the creation of a database-driven Web site.

**COURSE PREREQUISITES:**

**((CIT150 OR CIT155 OR CIT157) AND CIT170 AND Approved Level I Programming Language) OR Consent of Instructor**

**COURSE COMPETENCIES:**

Upon successful completion of this course, the student can:

1. Install and configure a web server.
2. Analyze and explain the uses of databases in commerce.
3. Analyze and explain the implications of transaction processing.
4. Design and develop client-side scripting applications.
5. Design and develop server-side scripting applications.
6. Design a functional e-commerce supporting database.
7. Write scripting and query language code to input and output data from the database.
8. Evaluate and analyze customer behavior data from a web site.
9. Design and develop integrated web database applications such as inventory, billing, and shipping.

**COURSE OUTLINE:**

- I. Web Server
  - A. Install a web server
  - B. Configure a web server
- II. Databases in Commerce
  - A. Research uses of databases in commerce
  - B. Analyze uses of databases in commerce

- III. Transaction Processing
  - A. Research types of transaction processing
  - B. Analyze transaction processing
- IV. Client-side scripting applications
  - A. Design client-side applications
  - B. Develop client-side applications
  - C. Analyze client-side applications
- V. Server-side scripting applications
  - A. Design server-side applications
  - B. Develop server-side applications
  - C. Analyze server-side applications
- VI. E-Commerce
  - A. Design an e-commerce database
  - B. Develop an e-commerce database
  - C. Analyze an e-commerce database
- VII. Input/Output
  - A. Scripting code for input and output from database
  - B. Query language code for input and output from database
- VIII. Customer Behavior
  - A. Collect customer behavior data from a web site
  - B. Evaluate customer behavior data
- IX. Integration
  - A. Design an integrated web database application
  - B. Develop an integrated web database application
  - C. Evaluate an integrated web database application

## **GENERAL EDUCATION INFORMATION:**

### **SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS COMMISSION ON COLLEGES (SACSCOC) QUALITY ENHANCEMENT PLAN (QEP) UPDATE:**

MCTC is accredited through the SACSCOC and was reaffirmed by the Commission in 2019. As part of the reaffirmation of accreditation process, a comprehensive QEP was developed at MCTC focusing on Problem-solving Skills.

The MCTC students will improve problem-solving skills by learning to:

- Examine the evidence
- Define the problem
- Identify strategies
- Analyze potential solutions
- Implement the solution
- Reflect on the outcome

**CIT-253** specifically addresses the following Student Learning Outcomes from the General Education Competencies:

- *Implement the solution*

TEXT(S) AND SUPPLIES: **\*\* NO PURCHASE REQUIRED \*\*\***  
**Free, web-based course materials (posted in Blackboard) will be used**

**EVALUATION AND GRADING POLICY:**

Grading Scale	The scale below shows the relationship between your semester percent average and the letter grade you will receive.
A=	90% >
B=	80% - 89.9%
C=	70% - 79.9%
D=	60% - 69.9%
E=	0% - 59.9%

*The final grade will be weighted as follows: 5% from ePortfolio, 20% from Weekly assignments demonstrating concepts and terms, 50% from Database Design Project, 10% from Project Presentation video, and 15% from the weekly check-ins.*

Category	Weight
ePortfolio	05%
Concepts / Terms Quizzes	20%
Data Driven Web Site Project	50%
Project Presentation	10%
Weekly Check In	15%
Total	100%

Online lecture/demonstration with hands-on computer work uses open-source Apache, JavaScript, PHP, My SQL, and Chrome browser to install, configure and deploy a data-driven website, locally on your personal computer. This class focuses heavily on project-based learning and therefore all students are required to complete an individual class project.

**ATTENDANCE POLICY:**

*Class attendance/participation is required and contributes to your success as well as your course grade. Students are responsible for completing ALL assigned tasks. Students are required to log into the Blackboard on a weekly basis and to participate in online activities/assignments.*

***Students who do not attend and/or participate in class activities during the first week of class will be reported to the Financial Aid and Academic Affairs offices as a “noshow” which may result in decreased financial aid eligibility.***

*At the end of the academic semester, the instructor is required to report the “last date of attendance” for students who fail the course. Attendance is measured in terms of active attendance/participation within the class assignments (face-to-face and/or online).*

*Again, this information is reported to the Financial Aid and Academic Affairs offices.*

### **WITHDRAWAL POLICY**

#### **WITHDRAWAL POLICY (KCTCS policy & Instructor's policy)**

**KCTCS POLICY** states a W: represents a withdrawal from class without completing course requirements. A student may officially withdraw from any class up to and including the date of mid-term with a W grade.

The Midterm Date or the last day for students, at their discretion, to officially withdraw from this course and receive a grade of W is:     March 6, 2023

After the date of midterm and through the last class of the semester or session, any student may officially request to withdraw from a course and receive a W which may be given at the discretion of the instructor. Each instructor shall state on the first or second class meeting the factors to be used in determining if a student will be allowed to withdraw during the discretionary period. An instructor shall not assign a student a W for a class unless the student has officially withdrawn from that class in a manner prescribed by the college. A grade of W may be assigned by the College Appeals Board in cases involving a violation of student academic rights or for academic offenses.

#### **HOW TO WITHDRAW FROM THE COURSE:**

Students must submit a course withdrawal through their Student Self-Service. Log into your Student Self-Service through MYPATH. Click on the Manage Classes Tile. Click on Drop Courses and follow the instructions. You will receive an email when the process is complete.

#### **INSTRUCTOR'S WITHDRAWAL POLICY (After Midterm):**

After mid-term, students may drop CIT253 and receive a grade of W only with instructor permission. Only those students who have been actively participating in the class will be given consideration for a W after midterm.

#### **COURSE ACCESSIBILITY:**

Maysville Community and Technical College is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning in this course, please feel welcome to discuss your concerns with me. If you have a disability, or think you may have a disability, see the information sheet below for how to contact disability services.

## College Statement Regarding Flexible Instructional Delivery:

The College must remain flexible to meet challenges that may include epidemics, pandemics, natural disasters, human-influenced disasters, and any and all threats to the College campus, students, employees, and surrounding communities. To ensure the safety and well-being of our constituencies, the College maintains the right to move classes temporarily or permanently to online, remote platforms; to a hybrid section that includes some face-to-face learning and some remote learning; or to a different campus, location, building, or time. Additionally, the College reserves the right to institute plans or practices in the physical classroom/lab/activity spaces and common areas to protect students and faculty. The College will attempt to make these changes as minimally disruptive as possible, but the College reserves the sole right to alter the particular type, place, or time for their classes.

### ADDITIONAL INFORMATION

In case of emergency call 911 or dial 9-911 from any campus phone.

Emergency Procedures are posted in each of the on-campus classrooms for students to review.

Off-campus classes will follow the procedures of the facility in which they meet.

Students, please inform your emergency contacts who your instructor is, what class you are taking, and in what room the class is taught. This will expedite locating you if there is an emergency.

Other important safety information such as lockdown procedures and safety plan can be found online at our website under Student Life or at: [Campus Safety & Security](#)

#### SNAP Alerts

Notification of a campus lockdown can be communicated via the (SNAP) Alert System. Snap stands for Safety Notification Alert System. *Site to register for **SNAP**: [KCTCS SNAP](#)*

1. There will be a P.A. announcement, if available.
2. All IP phones will announce and display the message.
3. All computers on MCTC network will display the message.
4. Anyone off campus that is signed up for SNAP should receive a text message and phone call and remain off campus.

#### User Account Center Setup

You can access and manage your information online 24/7 through your User Account Center.

You can activate your account, find your ID, and even reset your password. Login through:

[KCTCS User Account Center](#)

#### Student Service Center

The Student Service Center is available all day, every day, online and on the phone.

Our specialist team is standing by to answer whatever questions you might have on Financials, Passwords, Blackboard, Learn on Demand... and more.

Call the Go KCTCS! Student Service Center anytime, 1-855-GO-9MCTC or login through:

## [KCTCS Student Service Center](#)

### Student Self Service Help

Log into MyPath and click on the Student Self-Service tile to take full advantage of all the Self-Service tools including: searching for classes; making payments; viewing your schedule, and more!

### KCTCS STUDENT CODE OF CONDUCT

Kentucky Community and Technical College System (KCTCS) faculty and students are bound by principles of truth and honesty that are recognized as fundamental for a community of teachers and scholars. The college expects students and faculty to honor, and faculty to enforce, these academic principles. The college affirms that it will not tolerate academic dishonesty including, but not limited to, violation of academic rights of students and student offenses. Students may refer to the KCTCS Code of Student Conduct: [KCTCS Student Code of Conduct](#)

Information on student rights, academic offenses, and student's right to appeal is also available on the MCTC "Current Student" web page: [MCTC Student Policies and Procedures](#)

Hard copies are available in the Student Development Office.

### Division Chair Contact Information:

The first step in any class dispute is to talk with the Instructor. If disputes cannot be resolved in this way or if you are having communication difficulties, you can contact the Division Chair for further guidance.

NAME: *Natasha Maddox*

DIVISION: *Business & Related Technology*

Maysville Community & Technical College

1755 US 68

Maysville, KY 41056

606-759-7141 Ext. 66162

### CHEATING:

Using an electronic device or other materials without permission during an exam will be considered cheating regardless of intent. Other forms of cheating will include, but are not limited to: having information available in any non-approved form, such as papers, books, notes, materials hidden in apparel, written on self or desks, tabbing out to another computer screen, looking at other students' work, communicating with other students in any manner

### PLAGIARISM:

Collegiate work requires a strict standard of academic responsibility. While engaged in academic coursework, we encounter other people's ideas. How we incorporate these ideas into our own work requires caution. When these ideas are not properly credited, this is referred to as plagiarism. Plagiarism involves the intentional and/or unintentional use of others' words and thoughts without acknowledgement.

### Examples of plagiarism:

- Turning in someone else's work as your own
- Copying words or ideas from someone else without giving credit
- Failing to put a quotation in quotation marks
- Giving incorrect information about the source of a quotation
- Changing words or phrases (paraphrasing) while keeping the structure of a source without giving credit
- Copying so many words or ideas from a source that it makes up the majority of your work, whether you give credit or not
- Using information or graphics from an internet site without citing your source
- Giving your rough draft to another person to revise or rewrite
- A form of plagiarism that is not always found in typical definitions is self-plagiarism. Self-plagiarism involves duplication of original essays in part or whole. Resubmitting written work that has previously been presented in another course is considered self-plagiarism. Self-plagiarism is as serious as other forms of plagiarism and will carry the same consequences.

If you are unsure whether or not a specific situation constitutes plagiarism, ask your instructor. At MCTC PLAGIARISM is a serious academic offense which can result in a student failing an assignment, failing a course, or being dismissed from the college. Be aware of your instructor's rules and regulations concerning plagiarism, this can be found in your course syllabus. Students are expected to exhibit honesty in all work. Students caught plagiarizing or cheating will be subjected to the disciplinary policy as stated in the KCTCS Student Code of Conduct.

### Review these links for tips on avoiding plagiarism:

- MCTC Library Citation Guides: [Plagiarism](#)

## Accessibility Services

MCTC strives to make learning experiences accessible to all participants and is committed to providing reasonable accommodations for all persons with disabilities. If you are seeking accommodations for this course under the Americans with Disabilities Act (ADA), you are required to contact [MCTC Accessibility Services](#) and complete the online [Accommodation Request Form](#). Please do not request accommodations directly from your Instructor without a letter of accommodation from the Accessibility/Disability Services Office. If you are a student from a KCTCS college other than MCTC, contact your Home College

for establishing disability accommodations. You can find your Home College's Accessibility/Disability Services Office contact information on the [KCTCS Disability Services website](#). Your Home College will communicate with your Instructors and Accessibility/Disability Services Office to provide you with reasonable and appropriate accommodations.

**Your accommodations will begin after the Instructor has received confirmation of your accommodations from the Accessibility/Disability Services Office. Accommodations cannot be applied to your course retroactively.**

For more information, please email [MCTC Accessibility Services](#) or contact a member of our [Student Success Team](#).

**MCTC is committed to providing a safe environment for students, faculty, and staff and that is why we support Green Dot and work to prevent violence.**

### **Family Scholar House**

As a student, your KCTCS college has partnered with Family Scholar House (FSH) to provide resources you can utilize on your path to success. The Family Scholar House Response Center is available to you Monday-Saturday 8 a.m. through 8 p.m. ET. Below are opportunities available to you at no cost when you call the Response Center with Family Scholar House: Apprenticeship & Academic Coaching, Advocacy Support, Health & Wellness Coaching, Career Coaching, and connection to community resources.

**Call us at 502.289.6384 or please email us at:**

**[Info@FamilyScholarHouse.org](mailto:Info@FamilyScholarHouse.org)**

**For more information, please visit the Family Scholar House website below to see how we can support you:**

**<https://familyscholarhouse.org/types-of-support/>**