



WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

PROGRAMMING FUNDAMENTALS I

COSC 1336 0080

DR. JEREMY MCCORMICK

NOTE: This is a 16-week course.

NOTE: This is an Online course.

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COSC 1336-0080

Course Description:

This course introduces the fundamental concepts of structured programming, and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.

Prerequisites and/or Corequisites:

Desire to Learn to Code and above all,-GRIT.

Course Notes and Instructor Recommendations:

Students should always use their MCC email to communicate with instructor. The student is responsible for checking their MCC email and Brightspace every day. The course will meet completely online in an asynchronous manner. Attendance will be taken via completion of assignments due each week.

Instructor Information:

Instructor Name: Dr. Jeremy McCormick

MCC E-mail jmccormick@mclennan.edu

Office Phone Number: 254 299 8289

Office Location: BT 109

Office/Teacher Conference Hours: See Brightspace for Faculty Schedule

Communication: Emails are returned within 24 hours of receipt except when received over the weekend or during holidays. Those will be returned the first business day the College is open.

Grading: Grading will be completed within 2 weeks of due date of assignment. Any assignment submitted after the due date will be graded by the end of the semester.

Required Text & Materials:

Title: MindTap Programming, 1 term (6 months) Instant Access for Farrell's Programming Logic and Design

Author: Farrell

Edition: 9th

Publisher: Cengage Learning

ISBN: 9781337274616

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MCC Bookstore Website: <http://www.mclennan.edu/bookstore/>

Methods of Teaching and Learning:

- A. Lab Assignments and Quizzes (40% of the course grade): These assignments give students an opportunity to apply the skills they learn in the course. Lab specifications are explained in the weekly lab assignments listed in Brightspace.
- B. Exams (60% of the course grade): The exams include sections for both programming concepts and hands on application. The week for each test is posted in the Course Schedule.

Course Objectives and/or Competencies:

Upon successful completion of this course, students will:

1. Describe how data are represented, manipulated, and stored in a computer.
2. Categorize different programming languages and their uses.
3. Understand and use the fundamental concepts of data types, structured programming, algorithmic design, and user interface design.
4. Demonstrate a fundamental understanding of software development methodologies, including modular design, pseudo code, flowcharting, structure charts, data types, control structures, functions, and arrays.
5. Develop projects that utilize logical algorithms from specifications and requirements statements.
6. Demonstrate appropriate design, coding, testing, and documenting of computer programs that implement project specifications and requirements.
7. Apply computer programming concepts to new problems or situations.

Course Attendance/Participation Guidelines:

If a student is not in attendance in accordance with the policies/guidelines of the class as outlined in the course syllabus as of the course census date, faculty are required to drop students from their class roster prior to certifying the respective class roster. A student's financial aid will be re-evaluated accordingly and the student will only receive funding for those courses attended as of the course census date.

To be counted as attending BEFORE the census date, a student must complete and submit at least ONE assignment. Discussion boards, syllabus quizzes, the first set of homework, etc. are considered as meeting the criteria for an assignment. An email to the instructor does NOT count. Logging into Brightspace and accessing content does NOT count. Any student who fails to complete and submit at least one assignment prior to the census date will be dropped from the course.

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Past the census date, students who fail to submit two consecutive modules of work without notification of an excused absence as per MCC policy prior to the 60% point of the term will be withdrawn from the course. If a student completes any part of a work module, they have “attended” and will not be withdrawn. If a student fails to submit two consecutive modules of work without notification of an excused absence as per MCC policy and the class is past the 60% point of the term, the instructor will NOT withdraw the student. The student will be assigned the grade earned at the end of the term.

Course Outline or Schedule:

PLEASE NOTE! This schedule is tentative and subject to changes under extenuating circumstances. You will be notified of any change to the schedule via Brightspace announcement.

Weeks	Reading	Assessment	
	Textbook	Assignments	Exams
Week 1	Orientation (See Brightspace) Chapter 1 - Overview Smith Chapter 1	Orientation Quiz Introduction Post Chapter 1 Quiz Program 0 Flowchart 1 Lab	
Week 2		Flowchart 2 Lab Flowchart 3 Lab	
Week 3	Chapter 2 - Elements Smith Chapter 2	Quiz Exercises Programs 1-4 Lab	
Week 4		Programs 5-8 Lab Programs 9-12 Lab	
Week 5	Revisions from Instructor Feedback for Chapter 1 and 2 / Exam 1 Review		Exam 1
Week 6	Chapter 3 - Structures Smith Chapter 3	Quiz Exercises Programs 13-14	
Week 7	Chapter 4 - Decisions Smith Chapter 4	Quiz Exercises Programs 15-16	
Week 8	Chapter 5 - Looping Smith Chapter 5	Quiz Exercises Programs 17-19	

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Week 9	Chapter 6 - Arrays Smith Chapter 6	Quiz Exercises Program 20	
Week 10	Exam 2 Review		Exam 2
Week 11	Chapter 7 - File Handling Smith Chapter 7	Quiz Exercises Program 21	
Week 12	Chapter 8 - Advanced Data Smith Chapter 8	Quiz Exercises Program 22	
Week 13	Chapter 9 - Advanced Modularization Smith Chapter 9	Quiz Program 23	
Week 14	Chapter 10 - Object Oriented Programming Smith Chapter 10	Program 24	
Week 15	Revisions / Exam 3 Review		
Week 16			Exam 3

Course Grading Information:

The grade will be calculated by taking an average of each of the labs, quizzes, and assignments (40%), exam grades (60%). The average of each section is added to the total to determine your final grade for the course. Students will earn grades based upon performance level of assigned material. The penalty for violation of academic honesty is removal from the course with a grade of F and an incident report to college administration. Cheating is when someone other than you completes your assignments. Plagiarism is when someone copies information from an external source and presents it as original work (includes use of AI). The course grade will include 60% from the average of the exam grades and 40% from the execution of the chapter projects and quizzes.

Late Work and Make Up Work Policies:

Students will be permitted to make up class work and assignments missed due to absences caused by (1) authorized participation in official College functions, (2) personal illness, or (3) an illness or a death in the immediate family. It is the instructor's prerogative whether a student may make up work missed due to absences for other reasons. It is the student's responsibility to inform the instructor of the reason for an absence and to do so in a timely fashion. Moreover, it

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is the student's responsibility to keep up with missed material. Finally, due dates will not be modified by absences. Due dates will be clearly shown on each assignment.

Due to the nature of the course, the student must complete all of the reading and assignments to prepare to move on to the next programming class. Because of this, the instructor will allow late submissions. Assignments submitted after the due date will be graded by the end of the semester.

Student Behavioral Expectations or Conduct Policy:

To be successful in this class it is **crucial** that you as the student carry through with your responsibilities of learning and applying the material. Key to this is:

- A. Read, understand and abide by the Syllabus;
- B. Check MCC student email daily;
- C. Keep up with the readings, complete the assignments, and take the chapter quizzes on time;
- D. Study appropriately;
- E. Devote the right amount of time to this class to be successful;
- F. Be conscientious, responsible and accountable;
- G. Contact instructor with any issues; and
- H. Be professional, courteous and respectful to the instructor and to each other.

[Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have additional guidelines specific to this course.

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ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu 2542998122 Room
319, Student Services Center

Title IX:

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the acting Title IX Coordinator at titleix@mclennan.edu or by calling, Dr. Claudette Jackson, (Accommodations/Title IX) at (254) 299-8465. MCC employees are mandatory reporters and must report incidents immediately to the Title IX Coordinator. Individuals may also contact the MCC Police Department at (254) 299-8911 or the MCC Student Counseling Center at (254) 299-8210. The MCC Student Counseling Center is a

confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>. Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

Academic Support and Tutoring is here to help students with all their course-related needs. Specializing in one-on-one tutoring, developing study skills, and effectively writing essays. Academic Support and Tutoring can be found in the Library and main floor of the Learning Commons. This service is available to students in person or through Zoom. You can contact the Academic Support and Tutoring team via Zoom or email (ast@mclennan.edu) by going to our website (<https://www.mclennan.edu/academic-support-and-tutoring/>).

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact either MCC CREW – Campus Resources Education Web by calling (254) 299-8561 or by emailing crew@mclennan.edu or a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Both are located in the Completion Center located on the second floor of the Student Services Center (SSC) which is open Monday-Friday from 8 a.m.-5 p.m.

Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff. To schedule an appointment, go to https://mclennan.co1.qualtrics.com/jfe/form/SV_07byXd7eB8iTqJg. Both the Completion Center and Paulanne's Pantry are located on the second floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to

<https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html>

to find out more about the emergency grant. The application can be found at

https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:

Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating. The unauthorized use of artificial intelligence (AI) for classwork can be a violation of the College's General Conduct Policy. Whether AI is authorized in a course and the parameters in which AI can be used in a course will be outlined by each instructor.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:

Go to <https://www.mclennan.edu/center-for-teachingandlearning/FacultyandStaffCommons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are

expected to read and, if needed, respond in a timely manner to college emails. For more information about your student email account, go to www.mclennan.edu/studentemail.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

You can find help on the McLennan website about connecting your McLennan email account to your mobile device:

- [Email Setup for iPhones and iPads](#)
- [Email Setup for Androids](#)

Forwarding Emails:

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

For more helpful information about technology at MCC, go to [MCC's Tech Support Cheat Sheet](#) or email helpdesk@mclennan.edu.

Disclaimer:

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.