McLennan COMMUNITY COLLEGE

1400 COLLEGE DR., WACO, TEXAS 76708

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

Contemporary Mathematics (Quantitative Reasoning)
Math 1332.05

Professor Cindy Burns
FALL 2022

NOTE: This is a 16-week course.
NOTE: This is a face-to-face course.

COVID 19 Notice:
McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website https://www.mclennan.edu/crisis-management/coronavirus-updates/indes.html on any changes to these guidelines.

AN EQUAL OPPORTUNITY INSTITUTION

COURSE DESCRIPTION:

1332 Contemporary Mathematics is intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Semester hours: 3 lecture

PREREQUISITES AND/OR COREQUISITES:

TSIA Math Complete (minimum score of 950 on TSIA or minimum score of 350 on old TSI) or Math 0311.

COURSE NOTES (1.) AND INSTRUCTOR RECOMMENDATIONS (2.):

1. Our face-to-face class will meet Monday and Wednesday 9:35-11:00 in the Math building. Students will meet on campus for all instruction and the final exam. **Everyone will need a scientific calculator.**

❖ Since this course includes some online work, students need to be **comfortable working with a computer AND own a computer with high speed internet service or have regular access to such.**

- Every section of **homework (HW)** must be done with a grade of 85 before a quiz will open.
- The **Syllabus Quiz** will need a grade of 100 before any assignments will open. Other **quizzes** must be done with a minimum grade of 75 before tests will open.
- **Tests** will be taken online. The **Final Exam** will be taken on campus during the assigned time slot.
- All tests will be proctored by **a proctoring service** which means everyone will be videoed while taking the tests. A human is not watching, but I can look at the video later if a student is flagged for inappropriate movements. Students will need a web camera of some kind and a computer that is NOT a Chromebook or a mobile device. **Prepare now** for this!
- **Classwork (CW)** is not required but is available to students for extra or substitute instruction. However, if Covid or anything else forces us to go fully online, then the CW will be a requirement before HW will open.
- **All assignments in a unit including the test need to be completed before the next unit will open.**

Pearson's **MyLabMath** (MLM) will be the online delivery system for homework, quizzes, tests, and supplemental instruction. The fee for MLM was included in the tuition statement and no code of any sort is needed. If a physical textbook is desired, try buying an older edition online via a 3rd party seller or Pearson offers a $50 option.

ALL OF OUR COURSE IS LOCATED INSIDE BRIGHTSPACE (BS). ALL ASSIGNMENTS MUST BE DONE.

2. Student **SUCCESS** recommendations from instructor:

➢ **good time management**--Create a schedule including all activities to determine best time to do math.
➢ **understand the requirements—PRINT THE SYLLABUS** and consult often. Due dates are used to keep students moving at a good pace. Before any assignments will open in MLM, the student will need to score 100 on the Syllabus Quiz. **All assignments can be reviewed** by clicking MLM Gradebook in BS.
➢ **get organized—**A lot of paper is used in the class and needs to be orderly.
➢ **do the work**--Work regularly on assignments. Regularly means several times a week!
➢ **dedicate yourself to the task**--Experts recommend spending at least twice the course hours in study weekly. Our face-to-face class will meet 3 hours per week for instruction. If we multiply that by 2, then students need to schedule 6 hours a week of homework/study time in addition to the 3 hours of classwork.

9 hours a week may seem like a LOT but if anyone is to be successful, the time must be put in!! Some students might not need to work 9 hours a week and others may need to spend more time, but it will take a serious time commitment so figure out works well for you!

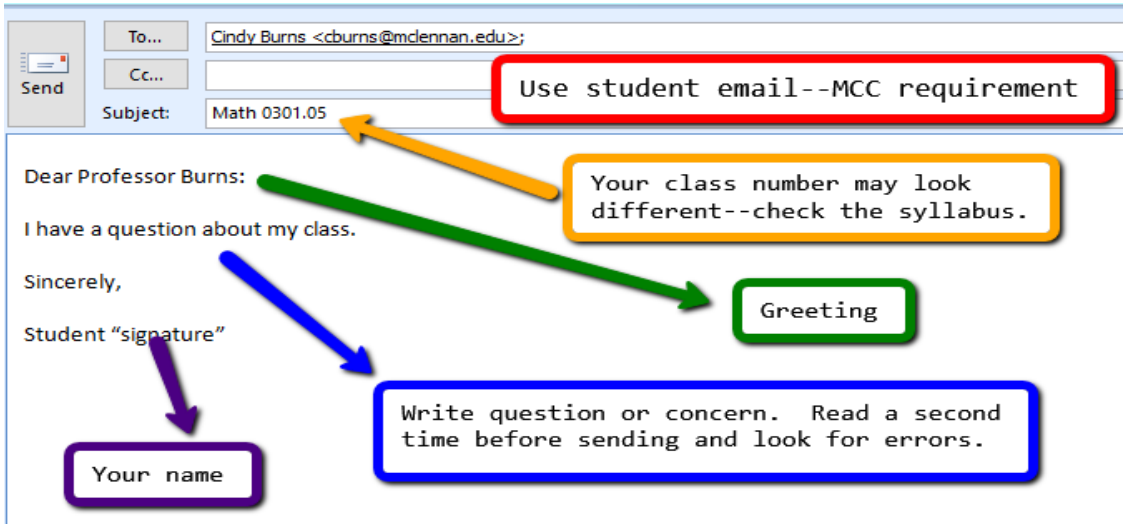
- **get help early**!!! See the box titled, "HELP".
- **use the resources MCC provides**—Get your money's worth!!! A complete list of support from MCC: https://www.mclennan.edu/campus-resource-guide/
- **partake in the college experience—**Many students make life-long friends while going to college. The experiences and people encountered will help set the stage of a student's future career and life. Enjoy!

INSTRUCTOR INFORMATION:

Instructor: Cindy Burns
MCC Email: cburns@mclennan.edu
Office Phone: 254-299-8877
Office Location: Mathematics Bldg., #219
Office/Teacher Conference Hours:
On campus: Mon./Wed. 9:15-9:30 and 12:45-2:45.
Online: Emails answered frequently MONDAY - FRIDAY.
Zoom: By appointment.

Replies to emails will be within 24 hours, but not on Saturday or Sunday **AND if email is written in correct form**. Phone calls will be returned during on campus conference hours.

- **Correct form for emails:**
  - **Subject line** has the class title and number**—Math 1332.05**
  - It is **addressed** as: Dear Mrs. Burns or Professor Burns
  - It is **signed** with the student's first and last name
  - Comes **from student email account** (MCC requirement) **or from MyLabMath**
  - Below is a sample email in proper form



REQUIRED TEXT & MATERIALS:

We use MyLabMath from Pearson for online work. The cost is included in student's tuition statement. Nothing needs to be purchased from the bookstore. See COURSE NOTES if a textbook is desired.

1. Title: *Thinking Mathematically* Author: Robert Blitzer
   Edition: 8th Publisher: Pearson
2. **ACCESS TO A DESKTOP OR LAPTOP COMPUTER WITH HIGH SPEED INTERNET SERVICE with a built-in camera or an attachable webcam**. The proctoring service will not work on a Chromebook or a mobile device. The webcam is needed for test proctoring and to engage in a zoom meeting if needed.
3. 1½ in. 3-ring binder with 5 dividers & paper OR spiral with 2-4 pockets—for note-taking and paper organization → Label dividers: handouts, notes, homework, practice tests, quizzes/tests
4. Scientific Calculator TI-30XIIS

MCC Bookstore Website: **http://www.mclennan.edu/bookstore/**

METHODS OF TEACHING AND LEARNING:

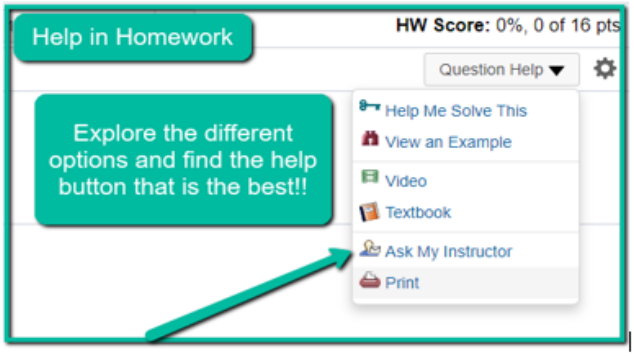
Students will spend considerable time in and out of the classroom:

- watching and listening to instruction,
- taking notes,
- practicing new skills,
- doing homework, quizzes, participation activities, tests, and
- seeking help if needed.

Learning a new skill takes patience and practice…and lots of both!!

HELP!!

- If there are **problems with understanding the homework**:
  - Watch the instructional video again or read over notes again.
  - Try watching a video from youtube.com or khanacademy.org



  - Use the Ask My Instructor button in MyLab Math (MLM) to send me an email.
    - Include the work!
    - MLM sends the problem so no need to type it…but send the work attempted.
  - Visit a tutor by ZOOM on MCC website: enter 2542998500 as the meeting ID
  - Visit a tutor in person in the Math Lab located in the Mathematics Bldg., Room 225; M-Th 8-7.
  - Contact a Success Coach www.mclennan.edu/completion-center/success-coaches or 254-299-8226
- If there are **problems with the Pearson website**:
  - Try using a different browser or clearing the browsing history on the computer.
  - Contact Pearson for customer support by going to https://support.pearson.com/getsupport/s/
- If there are **problems with the computer**:
  - Clear the browsing history regularly.
  - Call MCC's Technical Support at 254-299-8077 or email: helpdesk@mclennan.edu

COURSE OBJECTIVES AND/OR COMPETENCIES:

Upon successful completion of this course, students will:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.
3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

COURSE OUTLINE OR SCHEDULE: The outline is located on pg. 8 of the syllabus for use as a checklist.

COURSE GRADING INFORMATION:

Students will receive a letter grade of either A, B, C, D or F based on averages below:

A = 90% + B= 80-89% C = 70-79% D = 60-69% F = below 60%

Grading in the 1332 course will be based according to the following percentages.

Homework: 15% Quizzes (5): 10% Participation: 10% Tests (4): 40% Final Exam: 25%

Student's GRADEBOOK is in Brightspace (BS)/Content/MyLab Math Gradebook.

Homework:

Homework problems may be found by clicking the **All Assignments** button in **Brightspace (BS)/Content.**

- Homework assignments are due the following Sunday as listed in the Course Schedule, p. 8.
- Each missed problem can be re-done until it is correct so it is possible to score 100.
- After the due date, homework may still be completed with a 1% per day penalty.
- **EVERY HOMEWORK SECTION MUST BE DONE WITH A MINIMUM GRADE OF 85 TO OPEN A QUIZ.**

Quizzes:

Quizzes may be found by clicking the **All Assignments** button in **BS/Content.**

- The first quiz tests knowledge about the requirements for this class. Students must score 100 on the Syllabus Quiz before any homework (HW) assignments will open.
- The next four quizzes are practice test quizzes for the four tests and will open when HW is 85.
- The quizzes are timed to give the student the experience of a timed test before taking a test.
- **EACH QUIZ NEEDS A MINIMUM GRADE OF 75 BEFORE THE CORRESPONDING TEST WILL OPEN.**

Participation:

Activities may be found in **BS Discussions or Assignments.**

- There will be one short interactive type activity most weeks used to extend a student's learning.
- Work will be assigned on Monday morning and due Thursday night before midnight.
- No late assignments accepted and no make-ups.
- Each weekly activity will be worth 10 points and the maximum semester score is 100.
- Grades are recorded in MLM Gradebook.

PARTICIPATION

A variety of quick activities will extend a student's understanding of math concepts and/or college life. Activities will be found in Brightspace (BS) under Discussions or Assignments. Icons will be used with the description and also as a reminder on Course Schedule.

For Discussions **For Assignments**

WEEK	ICON	DESCRIPTION	DUE		WEEK	ICON	DESCRIPTION	DUE
1		Introduction to classmates	8/25		9		Test 2 Debrief	10/20
2		Desmos 1 Calculator	9/1		10		Desmos 3 TBA	10/27
3		Youtube video	9/8		12 & 13		Presentation	11/17
5		MCC Services	9/22		15		Self-assess	12/1
6		Desmos 2 Expression Mash-up	9/29		16		Attendance Bonus = 1 pt. per "Present"	12/4
7		Khanacademy.org	10/6		Grades are posted in MLM. Feedback for activities is in BS Assignment. Grade = 100 max.			

Tests:

Tests may be found by clicking the **All Assignments** button in **BS/Content.**

- Tests have a **75 minute time limit** which is the same as a face-to-face long semester class.
- A scientific calculator may be used. **If a phone is used, it will be considered cheating!**
- Each test will be available after the corresponding practice quiz has a grade of 75.
- Two attempts are given for tests unless taken after the due date. A grade of 0 (zero) will be entered if first attempt of test is not done by due date.
- **Notes may be used.**
- **ALL TESTS ARE PROCTORED.** After opening the test, follow directions and Respondus Monitor will check that the computer's camera is working correctly. Students will need a school I.D. or a driver's license. Everyone is videoed while taking the test and the video will check for improper behavior during a test. If someone is looking extremely left or right then it looks like another computer monitor is being observed. Do not leave the area while taking the test.
- **The tests have strict due dates to keep everyone moving at a good pace through the class**. If a test is not done by the due date, then the student will lose one attempt.
- **The test for each unit must be taken before any other work for the nest unit will be available.**

Final Exam:

A comprehensive Final Exam will be taken in person in class at the time posted on Course Schedule.

- The Final Exam will have a **two-hour limit** and there is only one chance to take it.
- A scientific, non-phone calculator may be used. **If a phone is used, it is considered cheating.**
- **Notes may be used.**
- THE FINAL WILL BE AVAILABLE IF **ALL TESTS** HAVE BEEN TAKEN.
- **No one will be able to pass this course without taking the final exam.**

LATE WORK, ATTENDANCE, AND MAKE UP WORK POLICIES:

- **Late work:**
  - **Homework will close each Sunday at 11:59 p.m**. Students may continue to work on homework assignments after the due date but will incur a 1% per day penalty.
  - **Quizzes** will not incur a penalty if done after their due dates.
  - **Participation Activities** will not be available for make-up.
  - If a **test** is taken late, then the opportunity to take it twice is eliminated. A test must be taken before next homework unit will be available.
  - **All assignments except the final will close permanently on the Sunday before the final.**

- **Attendance:** Regular attendance is required by the college and is beneficial to the learning process. Attendance will be recorded in Brightspace.
  - Students will be marked Absent if they are not present in class or if they are not participating in class. Students will be marked Tardy if arrive late or leave early. There are 28 attendance checks. Two tardies will count as one absence. **Students with 7 absences will be dropped.**

  - Student Requested drops must be requested via student email before 4:30 on Oct. 25.

- **Make-up Work:** **ALL OF THE WORK IN THIS CLASS MUST BE DONE.** Penalties are in place for late work (see above). If a serious situation affects a student's progress, the student needs to share that information with the instructor so options may be discussed.

STUDENT BEHAVIORAL EXPECTATIONS OR CONDUCT POLICY:

- Students are expected to:
  - attend class on a regular basis and participate in the learning process.
  - treat other humans with respect and fairness.
  - use resources provided by the instructor or Pearson or other online resources.
  - display integrity while taking tests.
    - **Cheating is easy in the online portions of our class. I encourage use of online help while working on homework BUT DO NOT USE PHOTOMATH OR ANY OTHER TYPE OF WEBSITE DURING A TEST! DON'T CHEAT YOURSELF OF AN EDUCATION!**
    - **If a student is found to be doing anything that is unethical, then the student will be reported for suspicious test-taking behavior to the appropriate MCC authorities and the grade for that assignment will become zero.**
    - **If a second incident of cheating occurs, the student will receive an F for the class.**

*** Click Here for the MCC Attendance/Absences Policy**
(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 guidelines specific to this course.

- **TO GET STARTED IN THIS COURSE:** **Attend class in person on our first day, August 22. Go to Brightspace on the first day, read the announcement, and watch the attached video.**

Course outline/schedule:

This schedule is subject to change and if changes are made, then students will be notified in class and by an announcement in Brightspace. ***PAY CLOSE ATTENTION TO DUE DATES AND PLAN A SCHEDULE ACCORDINGLY!!***

WEEK	BEGINS	CLASSWORK (CW) & HOMEWORK (HW) SECTIONS COVERED Assignments are due the following Sunday at 11:59 p.m.	DUE DATES
1	Aug. 22	Introductions/read syllabus/take Syllabus **QUIZ** 1.1 Inductive & Deductive Reasoning 1.2 Estimation, graphs, math models	SQ AND HW due Aug. 28
2	Aug.29	1.3 Problem solving 2.1 Basic Set Concepts	HW due Sep. 4
3	Sep. 5	LABOR DAY HOLIDAY—We will meet only Wednesday. 2.2 Subsets 2.3 Venn Diagrams and set operations with 2 sets	HW due Sep. 11
4	Sep. 12	2.4 Venn Diagrams and set operations w/ 3 sets **Practice Test 1 QUIZ** **TAKE TEST 1—CRITICAL THINKING & SET THEORY**	HW, PT1Q, & T1 due Sep. 18
5	Sep. 19	8.1 Percent, Sales Tax, and Discounts 8.2 Income Tax	HW due Sep. 25
6	Sep. 26	8.3 Simple Interest 8.4 Compound Interest 8.5 Annuities	HW due Oct. 2
7	Oct. 3	8.6 Cars 8.7 Cost of Home Ownership	HW due Oct. 9
8	Oct. 10	8.8 Credit Cards **Practice Test 2 Quiz** **TAKE TEST 2—PERSONAL FINANCE**	PT2Q, T2, & HW due Oct. 16
9	Oct. 17	2.5 Survey Problems 9.1 Dimensional Analysis	HW due Oct. 23
10	Oct. 24	9.2 Metric Conversions 9.3 Temperature Conversions 10.2 Triangles	HW due Oct. 30
11	Oct. 31	10.3/10.4 Perimeter and Area 10.5 Volume and Surface Area **Practice Test 3 QUIZ** **TAKE TEST 3—DIMENSIONAL ANALYSIS & MATH MODELS**	HW, PT3, AND T3 due Nov. 6
12	Nov. 7	11.1 Fundamental Counting Principle 11.2/11.3 Permutations/Combinations 11.4 Fundamentals of probability	HW due Nov. 13
13	Nov. 14	11.6 Events with NOT, OR, AND 12.1 Sampling, Frequency Distributions, Graphs 12.2 Measures of Central Tendency	HW due Nov. 20
14	Nov. 21	12.3 Measures of dispersion 12.4 Normal Distribution We will meet only on Monday. HAPPY THANKSGIVING!	HW due Nov. 27
15	Nov. 28	**Practice Test 4 Quiz** **TAKE TEST 4—PROBABILITIES & STATISTICS**	PTQ 4 & T4 due Dec. 4.
16	Dec. 5	**FINAL EXAM—Cumulative assessment—exam proctored in class** **No class on Monday.**	**FINAL taken Dec. 7 @ 9:35**

McLennan COMMUNITY COLLEGE

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
254-299-8122
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 Title IX Coordinator at titleix@mclennan.edu or by calling Dr. Drew Canham (Chief of Staff for Diversity, Equity & Inclusion/Title IX) at (254) 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC 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/

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 a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Students may visit the Completion Center Monday-Friday from 8 a.m.-5 p.m. to schedule a meeting with a Success Coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff based on household size. Text (254) 870-7573 to schedule a pantry appointment. The Completion Center and 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.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:
Go to https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-and-Staff-Commons/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/student-email.

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 (https://support.microsoft.com/en-us/office/set-up-an-outlook-account-in-the-ios-mail-app-b2de2161-cc1d-49ef-9ef9-81acd1c8e234?ui=en-us&rs=en-us&ad=us)
- Email Setup for Androids (https://support.microsoft.com/en-us/office/set-up-email-in-android-email-app-71147974-7aca-491b-978a-ab15e360434c?ui=en-us&rs=en-us&ad=us)

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.