

Updated 07/18/2023



WACO, TEXAS

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## **COURSE SYLLABUS**

**AND**

## **INSTRUCTOR PLAN**

**Contemporary Mathematics & Quantitative Reasoning**

**MATH 1332 SECTION L081 (LINKED CLASS)**

**Alma G. Wlazlinski**

**NOTE: This is a 16-week course.**

**NOTE: This is a Face-to-Face course.**

**NOTE: This is an IA course (Inclusive Access)**

AN EQUAL OPPORTUNITY INSTITUTION

Fall, 2023

Students should arrive to class prepared with calculator, writing instrument and paper to take notes and participate in the learning. Questions are welcomed and each of you will be patient with each other as they assimilate the material. Disruptive behavior is good for no one and should be avoided. Be courteous, be patient, and help each. I will respond in kind and encourage everyone to meet their educational goals.

**Course Description:**

Emphasizes critical thinking and problem-solving skills. Topics may include set theory, logic, number systems, number theory, functions, introductory probability and statistics, and the application of these concepts to real-world problems.

This course is a linked course with Math 0308, the just-in-time course to assist in learning the college level course Math 1332. Both homework assignments will be available under the course Math 1332.

**Prerequisites and/or Corequisites:**

Minimum TSI math score or TSI Math ABE level 5 or 6; or credit in 0308 (CAI Math 0111, 0112, 0113) or its equivalent

**Course Notes and Instructor Recommendations:**

Involves full commitment to checking course requirement on Brightspace

To be successful in this course:

- Students should check email for any changes or information from instructor
- Students should take notes during lectures from instructor videos or publishers videos to facilitate completing the homework assignments and preparing for exams
- Students should complete homework as soon as material is learned by
  - Preferably after each video lecture
  - On line videos available to refresh the material
  - Completed Notes from videos to assist in viewing examples missed in class
  - Publisher's videos
- Students should visit during Zoom office hours or e-mail concerns regarding the course as soon as problem exists...**not at the end of the semester.**
- Email any concerns, suggestions, ideas to [awlazlinski@mclennan.edu](mailto:awlazlinski@mclennan.edu) as promptly as possible if:
  - Personal commitments have caused you to get behind the schedule
  - Additional time needed to complete weekly assignments
  - Personal provider problems causing delays
  - Issues with the program

Please use proper and professional email etiquette by using the ***subject line*** to announce: **Math 1332 Sec L081** and your closing to have **your full name** for quick response to email

# CONTEMPORAY MATHEMATICS & QUANTITATIVE REASONING

Math 1332 Section L081

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## **Instructor Information:**

Instructor Name: **Alma G. Wlazlinski**  
MCC Email: awlazlinski@mclennan.edu  
Office Phone Number: (254) 299=8871  
Office Location: Math Bldg, Room 20  
Office/Teacher Conference Hours: Posted on Brightspace Home page  
Other Instruction Information: Will respond to special requests for tutoring via email and available times.

## **Required Text & Materials:**

**This course is IA (Inclusive Access) so no material needed. The cost of the MyMathLab access code is included in the tuition cost. This is to insure you are ready to begin your educational journey on day one.**

The textbook referred in this course is

Original Materials:

**Thinking Mathematically 8th Edition**



Author(s): Blitzer, Robert

Textbook ISBN-13: 9780137551224

Series: **MyLab Math**

DO NOT PURCHASE ANY TEXTBOOK OR ACCESS CODE

**What is needed for this course is a TI 84 any series graphing calculator or download the Smartphone simulator version. It must be purchased as soon as possible.**



TI 83/84 Graphing Calculator Required

Smartphone options  
which are free or  
inexpensive will be  
discussed in the course.

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

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**Methods of Teaching and Learning:**

This course is an online course with instructor videos for learning this material. The involvement will include metacognition PDF's and Project that are graded as "Personal discussion cues" and added to Project grade.

- Students expected to communicate any concerns as they may arise.
- Students should participate in the learning.
- All activities must be done during week assigned as per calendar or syllabus.

**Course Objectives and/or Competencies:**

- ✓ Solve problems using critical thinking and reasoning skills (1,2,3,4,5,9)
- ✓ Evaluate and appreciate the structure, beauty, power of logic and deductive reasoning. (1,2,3,9)
- ✓ Utilize various strategies (making a drawing, tale, graph, etc) for problem solving (1,2,4,5,9)
- ✓ Compute loan payments, annuities, vehicle purchases, mortgages, and investments (1,4)
- ✓ Use real world analysis of data and information using probability and statistics to summarize, interpret, or predict. (1,2,5)
- ✓ Graph and interpret data in appropriate form to present a visual relationship of data sets in real life. (1,2,5)
- ✓ Understand introductory treatment of sets, logic, number systems, number theory, relations, or function. (2,3)
- ✓ Use technology to enhance algebraic and statistical concepts. (1,2,4,5)

**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.

For this course, on-line, attendance will be done on Monday's for the previous week. Should there be no completion of assignments for the week, an absence will be assessed. If you have 4 absences, then you will be dropped from this course.

# CONTEMPORAY MATHEMATICS & QUANTITATIVE REASONING

Math 1332 Section L081

## Course Outline or Schedule:

<b>Week #1</b>	Introduction to course & Syllabus IA class so MyMathLab is on Brightspace under Content
	Sec 8.1 Percent, Sales Tax & Discount Complete Metacognition PDF <b>Project I Where am I going?</b>
<b>Week #2</b>	Sec 8.3 Simple Interest Use of Calculator to Work Compound Interest Sec 8.4 Compound Interest <b>Project Part II Securing a future</b>
<b>Week #3</b>	Use of Calculator to Work Savings made with Payments Sec 8.5 Annuities, Methods of Savings, and Investments Sec 8.6 Cars <b>Project III My Dream Car/Truck</b>
<b>Week #4</b>	<b>Exam over Chapter 8 ONLY On-Line</b> Sec 9.1 Measuring Length; The Metric System Sec 9.2 Measuring Area & Volume
<b>Week #5</b>	Sec 9.3 Measuring Weight & Temperature Sec 10.2 Triangles
<b>Week #6</b>	Sec 10.3 Polygons, Perimeter, Tessellations Sec 10.4 Area & Circumference
<b>Week #7</b>	Sec 10.5 Volume & Surface Area Review for Chapter 9 & 10 Exam <b>Chapters 9 &amp; 10</b>
<b>Week #8</b>	Sec 11.1 Fundamental Counting Principle Sec 11.2 Permutation
<b>Week #9</b>	Sec 11.3 Combinations Sec 11.4 Fundamentals of Probability
<b>Week #10</b>	Sec 11.5 Probability with the Fundamental Counting Principle, Permutations & Combinations Sec 12.1 Sampling, Frequency Distributions & Graphs

# CONTEMPORAY MATHEMATICS & QUANTITATIVE REASONING

## Math 1332 Section L081

<b>Week #11</b>	Sec 12.2 Measures of Central Tendencies Sec 12.3 Measures of Distributions <b>Chapter 11 Exam online</b>
<b>Week #12</b>	Sec 12.4 The Normal Distribution Sec 12.5 Problem Solving with the Normal Distribution
<b>Week #13</b>	Metacognition Worksheet #4 <b>Chapter 12 Exam online</b>
<b>Week #14</b>	<b>Catch up Week...All homework and exams taken!</b>
<b>Week #15</b>	<b>Review for Final Exam</b>
<b>Week #16</b>	<b>Final Exam in class on Monday or Tuesday via Zoom</b>

### Course Grading Information:

The grading for this course will have 4 components: Homework, Project Sheets, Exams and a comprehensive Final:

**Homework:** To assist the learning process, on-line homework is mandatory for this course. It involves the purchase of a MyMathLab access code that is labeled with book name for course. The homework assignments are matched with the lessons given in class. This program has many help aids to complete the homework such as “Ask My Professor” or “Help me solve this” or other ways to work the problem. This component is worth 20% of course grade.

1.1.15

Question Help

Identify a pattern in the given list of numbers. Then use this pattern to find the next number. (More than one pattern might exist, so it is possible that there is more than one correct answer.)

6, 24, 96, 384, 1536, \_\_\_\_\_

The next number is .

Click here for all types of help. It will offer a drop down menu to choose from

**Metacognition/Projects:** These activities will insure understanding of personal responsibility in learning and application of lessons to discovery and application. The activities will be from lectures, examples from the lesson or from the homework exercises. Notes from class lectures can be used to assist in completion of the activity. This component will be worth 10%

**Exams:** There will be 4 (four) exams during the semester. Each of the Unit Exams will Be administered in a variety of methods to measure competency of the

# CONTEMPORAY MATHEMATICS & QUANTITATIVE REASONING

## Math 1332 Section L081

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Material.

Exam Chapter 8 online

Exam Chapters 9 & 10 online

Exam Chapter 11 online

Exam Chapter 12 online

This component is worth 50% of the course grade.

**Final Exam:** The Final will be a comprehensive exam. You will be allowed half a Sheet of any notes to assist in remembering the course material. This Component is worth 20% of course grade and will be proctored.

### **Gradebook Breakdown:**

<b>Homework on MML</b>	<b>20%</b>
<b>Projects &amp; activities</b>	<b>10%</b>
<b>Exams (4 Unit Exams)</b>	<b>50%</b>
<b><u>Final Exam (Proctored)</u></b>	<b><u>20%</u></b>
	<b>100%</b>

### **Late Work and Make Up Work Policies:**

Project .pdf's turned in late will have a 5 point deduction. All Project sheets are to focus on key objectives and technology usage (TI 84 calculator)

**Attendance:** Attendance is very important in completion of this course. If absent 25% (4 absences) then you can be dropped from M1332. Emails sent when an absence is accrued due to lack of participation in completing weekly assignments.

### **Student Behavioral Expectations or Conduct Policy:**

- Having someone else do your online assignments is a violation of the academic policy and either may result in failing grades and/or being dropped from the class. Infractions such as these will be reported to the administration for tracking and permanently placed on your transcripts as well as possible college action.
- You must be committed to participating in this course. Communication on homework problems have to be done via e- mail.

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

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### Math 1332 Section L081

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Attendance will be taken on Sunday as a week ending for this on-line course. The measure for attendance is the completion of at least 2 objectives. If you accumulate 4 absences you will be dropped from my course.



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Updated 07/18/2023



## **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](http://www.mclennan.edu/disability).

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

[disabilities@mclennan.edu](mailto: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](mailto: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/](http://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](mailto: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](mailto:crew@mclennan.edu) or a Success Coach by calling (254) 299-8226 or emailing [SuccessCoach@mclennan.edu](mailto: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](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](https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf).

**MCC Academic Integrity Statement:**

Go to [www.mclennan.edu/academic-integrity](http://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](http://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](mailto: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](mailto: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.