

McLennan

C O M M U N I T Y

COLLEGE

WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

LINKED

FOUNDATIONS OF MATHEMATICS

CONTEMPORARY MATHEMATICS

MATH 0308.L05 / MATH 1332.L05

LISA LINDLOFF

NOTE: These are 16-week courses.

These are Blended/Hybrid courses.

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals. We are also concerned for your safety. We are working through COVID-19 guidelines to make sure we offer a safe environment for you and our faculty. This will include smaller class sizes to manage social distancing and proper cleaning techniques. You will have the advantage of a physical classroom experience but may also need to work part of the time online as we adjust to limited classroom capacity. This will also allow us the flexibility to move online if so directed by federal, state and/or local COVID 19 guidelines. Faculty and staff are preparing now to ensure that you have the best experience in the midst of these uncertain times.

CONTEMPORARY MATHEMATICS MATH 1332

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 is a linked section and concurrent enrollment and participation in Math 0308 is required.

Prerequisites and/or Corequisites:

Minimum TSI math score of 328-341 or TSI ABE level 5 or 6: or credit in BASM 0300, Math 0301, or its equivalent, or approval by the Division Chair.

Course Notes and Instructor Recommendations:

Math 1332 in an online, linked, face/face, or hybrid format all involve online homework assignments and some online testing. Everything is available online including an electronic version of the text, class notes, and both publisher and instructor lecture videos. There are numerous other learning aids available at the online site. Online classes require no campus attendance. Hybrid classes require some classroom attendance. See the semester schedule for specific hybrid attendance requirements.

Instructor Information:

Instructor Name: Lisa Lindloff
MCC E-mail: llindloff@mclennan.edu
Office Phone Number: 254-299-8802
Office Location: Mathematics 215
Office/Teacher Conference Hours: TBA

Required Text & Materials:

Title: MyMathLab Student Access Kit (Standalone)

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

ISBN for the new edition of Blitzer, Thinking Mathematically, MML access code: **9780134705095.**



Courseware MyLab Math with Pearson
eText -- Access Card -- for Thinking
Mathematically
by Robert F. Blitzer
Publisher: Pearson
eText ISBN: 9780134705095, 0134705092
Edition: 7th



TI 83/84 Graphing Calculator Required

No hardcopy text required

Student Support/Resources:

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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, we encourage you to contact a success coach by calling (254) 299-8226. Students can visit the Completion Center Monday-Friday from 8:00 a.m.-5:00 p.m. to meet with a success coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) is open 12:00 p.m.-1:00 p.m., Monday-Friday, without an 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> find out more about the emergency grant. The application can be found [here](https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf) (https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf).

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 contacted/notified through 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.

* [Click Here for the Minimum System Requirements to Utilize MCC's D2L|Brightspace](https://www.mclennan.edu/center-for-teaching-and-learning/Faculty%20and%20Staff%20Commons/requirements.html)
(<https://www.mclennan.edu/center-for-teaching-and-learning/Faculty%20and%20Staff%20Commons/requirements.html>)

Click on the link above for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

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.

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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.

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 her/his 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.

Forwarding Emails:

You may forward the 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 become lost or placed in junk or spam filters.

Methods of Teaching and Learning:

This course is designated as blended this semester. That means that the class will physically meet on certain days, but online lessons will be provided with video lectures and notes on other days. To ensure safe social distancing, the class will be divided into 2 groups (cohorts). I will designate them as group A and group B. **Students will be informed by email and/or phone call prior to the start of the semester about which group they are assigned. It is important that students only attend on their designated days. Group A will attend class in-person on Mon and Wed while Group B will attend on Tue and Thu.** Ideally you would attend all 4 days together, but in this blended format you will do a % of the lessons by watching lecture videos and using available lecture notes. You will be responsible for online homework and online tests as noted in the calendar. If conditions dictate a need to go completely online, then all assignments will be presented in the online format and the weekly assignments will be completed without attending the class. MyMathLab is the online component that will house the course information and it will be accessed via Brightspace.

Course Objectives and/or Competencies:

Students successfully completing Liberal Arts Mathematics should be able to:

1. Solve problems using critical thinking and reasoning skills. (1,2,3,4,5,9)

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2. Evaluate and appreciate the structure, beauty, power of logic and deductive reasoning (1,2,3,9)
3. Utilize various strategies (making a drawing, table, graph, etc) for problem solving.(1,2,4,5,9)
4. Compute loan payments, credit card charges, mortgages, and investments. (1,4)
5. Real world analysis of data and information using probability and statistics to summarize, interpret, or predict. (1,2,5)
6. Graph and interpret data in appropriate form to present a visual relationship of data sets in real life. (1,2,5)
7. Introductory treatment of sets, logic, number systems, number theory, relations or functions. (2,3)
8. Using technology to enhance algebraic and statistical concepts. (1,2,4,5)

Course Outline and Schedule:

If changes need to be made, students will be informed in Brightspace and via emails and announcements in MML.

Week #	Dates	M	W	ONLINE
		A	A	
1	8/23-8/29	Intro	8.1	
2	8/30-9/5	8.3	8.4	
3	9/6-9/12	HOLIDAY	8.5	
4	9/13-9/19	R	R	308-Finance TEST CH 8
5	9/20-9/26	9.1	9.2/9.3	
6	9/27-10/3	10.2	10.3	
7	10/4-10/10	10.4	10.5	
8	10/11-10/17	R	R	308-M & G TEST CH 9&10
9	10/18-10/24	11.1	11.2	
10	10/25-10/31	11.3	11.4	
11	11/1-11/7	R	R	308-Probabilty TEST CH 11
12	11/8-11/14	12.1	12.2	
13	11/15-11/21	12.3	12.4	
14	11/22-11/28	12.5	HOLIDAY	308-Statistics TEST CH 12
15	11/29-12/5			REVIEW FOR EXAM
16	12/6-12/9			

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This course may use a variety of internal and external assessments. These core objectives will also be assessed using parts of a standardized test (CAAP). A faculty designed rubric will be used to assess communication skills as well. Review of such items such as GPA, retention levels, and success in following course may be used to evaluate the effectiveness of student learning.

- **Critical Thinking:** Students will use inductive and deductive reasoning, explore problems using logical process of inquiry, analysis evaluation and synthesis. Assessments will include discussion, independent practice, collaborative experience, instructional technology, or comprehensive final.
- **Communications:** Students will submit written assignments involving small research via internet or newspapers on Real World information. They will share with their instructor and/or class via written, oral, and/or visual methods. Assessments will use at least one of the following: board work, class time explanation, case study presentation, poster board presentation, and small group presentation. The evaluation process will use a departmental rubric for communication assessment.

Course name/number/section: Student name/number: Type of Communication Event: <input type="checkbox"/> Board work <input type="checkbox"/> Class time explanation <input type="checkbox"/> Personal interview <input type="checkbox"/> Case study presentation <input type="checkbox"/> Poster board project presentation <input type="checkbox"/> Small group presentation <input type="checkbox"/> Online presentation	IN WRITTEN LANGUAGE	4 Student demonstrates full knowledge with no mistakes and elaborates on mathematical concepts.	3 Student demonstrates good knowledge but does not elaborate.	2 Student demonstrates limited knowledge but makes several mistakes.	1 Student does not have a grasp of the mathematical information.
	IN ORAL LANGUAGE	4 Student uses fluent and accurate words to describe mathematical concepts and processes.	3 Student uses somewhat appropriate words to describe mathematical concepts and processes.	2 Student uses vague words to describe mathematical concepts and processes.	1 Student uses incorrect and confusing words to describe mathematical concepts and processes.
	IN VISUAL PRESENTATION	4 Student uses appropriate and accurate visual representation of mathematical concepts and processes.	3 Student uses somewhat appropriate visual representation of mathematical concepts and processes.	2 Student uses some inaccuracy in visual representation of mathematical concepts and processes.	1 Student uses total inaccuracy in visual representation of mathematical concepts and processes.

- **Empirical/Quantitative:** Students will work on various mathematical problem solving skills throughout the course. The course focuses on the manipulation and analysis of numerical data or observable facts. These maybe presented in application problems and problem skill sets in which students demonstrate their ability to reach informed conclusions using the mathematical process. Assessment will include discussion, independent practice, collaborative experience, or instructional technology to include questions from a departmental test bank and/or the CAAP test.

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Course Grading Information Math 0308:

Grading in this course (Credit or No Credit) will be based on attendance and passing Math 0308 computer lab activities assigned by the instructor. Failure to meet the attendance and participation requirement may result in either being dropped from both Math 0308 and Math 1332 or earning NC (no credit) in the developmental course, Math 0308.

Course Grading Information Math 1332:

Grading in this course will be based on homework, unit tests, and a comprehensive final exam according to the following percentages.

Online homework ave: 25% or 30%

Test average: 50%

Before each test is available (online or face to face), all homework assignments must be completed with at least a 70% score for that unit. Makeup tests will not be given.

Communication Project: 5% (IF APPLICABLE)

Final exam grade: 20%

Having someone else do your online homework assignment and cheating on a test are both violations of the academic integrity 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 possible college action.

Late Work, Attendance, and Make Up Work Policies:

In this blended class, there are expectations of doing assignments whether you attend class or are absent. Although there will be F-F lectures, a % of the lessons will be taught in a video lecture format. Whether you meet the class or are in a remote setting, homework and tests that are listed in the weekly calendar should be completed by the end of each week.

Student Behavioral Expectations or Conduct Policy:

Students are expected to maintain classroom decorum that includes respect for other students and the instructor, prompt and regular attendance, and an attitude that seeks to take full advantage of the education opportunity. Students are expected to come to class prepared and with supplies necessary to participate actively in each class meeting.

MCC Academic Integrity Statement:

* [Click Here for the MCC Academic Integrity Statement](http://www.mclennan.edu/academic-integrity)

(www.mclennan.edu/academic-integrity)

The link above will provide you with information about academic integrity, dishonesty, and cheating.

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* [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 guidelines specific to this course.

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. Instructors should not provide accommodations unless approved by the Accommodations Coordinator. For additional information, please visit 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

* [Click Here for more information about Title IX](http://www.mclennan.edu/titleix)

(www.mclennan.edu/titleix)

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 (Vice President for Student Success) at 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC by calling 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting the following website: <http://www.lighthouse-services.com/mclennan/>.

McLennan's Title IX webpage (<http://www.mclennan.edu/titleix/>) 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.

* *You will need to access each link separately through your Web browser (for example: Internet Explorer, Mozilla, Chrome, or Safari) to print each link's information.*