

MERCER COUNTY COMMUNITY COLLEGE
TOPICS IN MATHEMATICS – MAT 120
Course Syllabus – Spring, 2015

Instructor: D. Megyesy : Section: All Sections
Office: LA 148 : Email: MegyesyD@faculty.MCCC.edu
Office Hours: Monday 6 to 7pm, Tuesday 10:30 to 11:30

Required Materials:

Text: *Math in Our World*: 3rd edition, By Sobecki, Bluman, and Schirck-Matthews **custom edition** for MCCC or the e-book. (The full hard cover text does not include all chapters.)

Calculator: A scientific calculator is recommended. Sufficient calculators include: TI30, TI34

Course Components:

Lecture:

During lecture, new concepts are presented and homework will be assigned. Additionally you will be given quizzes, projects, or other in-class graded work that will help you learn the material.

Attendance:

Attendance for the entire class time is mandatory. Recognizing that personal problems can arise, the College permits three absences. Absences beyond three may result in your being withdrawn from the course or may negatively affect your grade. If you are unable to attend a class, it is your responsibility to get the notes and do any assigned homework before the next class meeting.

Homework/Quizzes/Projects: There will be homework assigned in each class, as well as occasional quizzes and group projects. All of these will contribute to your grade and will be announced ahead of time. Neither make-up quizzes nor projects are given. **Late projects or missed quizzes get a score of 0. Your lowest quiz score can be dropped.**

Tests: There will be four tests, each given in class on the days indicated below. No books, notes, formulas, or calculator programs may be used with the tests. Cheating will result in a 0 for the test and/or an F in the course. **Each test can be taken only once – there are no make-up tests. Missed tests get a score of 0.**

Quizzes – 10% Projects – 10% Tests – 80% (20% each)

The grades will be assigned as follows:

A	93 – 100%
A-	90 – 92.9%
B+	87 – 89.9%
B	83 – 86.9%
B-	80 – 82.9%
C+	77 – 79.9%
C	70 – 76.9%
D	60 – 69.9%
F	Below 60%

Extra Help:

If you are having difficulties and need additional help beyond the classroom, do not wait - you will only fall behind and this is to be avoided as much as possible. You may seek assistance from any or all of the following sources.

- Your solutions manual
- Your instructor during office hours
- Tutors in the Learning Center on both campuses (LB214 – second floor library – behind the bookstore, in West Windsor)

Please note that there are no additional charges for any of the above help.

The last day to withdraw from the 15 week session courses is **November 7, 2014**. This is the only possible way to get a grade of W or WI for the course. After this date, any student who does not complete the course will receive an F!

Statement of Appropriate Classroom Conduct

Mercer County Community College welcomes all students into a learning environment that creates a sense of acceptance, pride and respect. With that as our goal, students need to be aware of their responsibilities and follow common rules of courtesy during all class sessions. Behaviors that disrupt or distract from the learning process are unacceptable. As learners in an adult institution, it is your responsibility to act as such.

- Prompt arrival to class is expected
- Pencils should be sharpened before class begins
- Cell phones and other electronic devices should be **turned off** before entering the classroom, per Mercer County College policy.
- Only one person should be speaking at a time unless collaborative learning activities have been assigned
- Differing viewpoints, strengths, and learning styles among fellow classmates should be acknowledged, respected and appreciated. All students should be made to feel comfortable in expressing opinions and in asking questions.
- Students should never:
 - Knowingly represent the work of others as their own
 - Use or obtain unauthorized assistance in the execution of any academic work
 - Give fraudulent assistance to other students

Violators of the above actions will be penalized and may be removed from the class for the benefit of other students.

Any student in this class who has special needs because of a disability is entitled to receive accommodations. Eligible students at Mercer County Community College are assured services under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973.

If you believe you are eligible for services, please contact Arlene Stinson, the Director of Academic Support Services. Ms. Stinson's office is LB214, and she can be reached at (609) 570-3525

<u>Week of</u>	<u>Tuesday</u>	<u>Thursday</u>	<u>Monday Evening</u>
19 January	2.1	2.2	<i>No Class- Holiday</i>
26 January	2.3	2.4	2.1 and 2.2
2 February	2.5	Review (project 1 due)	2.3 and 2.4
9 February	<i>TEST 1</i>	3.1	2.5 and Review (project 1 due)
16 February	3.2 ₁	3.2 ₂	<i>TEST 1</i>
23 February	3.3 ₁	3.3 ₂	3.1 and 3.2 ₁
2 March	3.4 ₁	3.4 ₂	3.2 ₂ and 3.3
9 March	3.5	Review (project 2 due)	3.4
16 March	<i>NO CLASSES -- Spring Break!</i>		
23 March	<i>TEST 2</i>	4.1	3.5 and Review (project 2 due)
30 March	4.2	4.3	<i>TEST 2</i>
6 April	4.4	Review (project 3 due)	4.1 and 4.2
13 April	<i>TEST 3</i>	5.5	4.3 and 4.4
20 April	15.1	15.1	<i>TEST 3 (project 3 due)</i>
27 April	15.3	Review	5.5 and 15.1
4 May	<i>TEST 4</i>	Catch-up Day	15.3 and Review
11 May	XXXXX	XXXXXX	<i>TEST 4</i>

Homework by section

Date	Sections	Topics Covered	Homework – odds unless specified
	Intro, 2.1	The Nature of Sets	1 – 91
	2.2	Subsets and Set Operations	1 – 91
	2.3	Venn Diagrams & Set Operations	1 – 75
	2.4	Using Sets to Solve Problems	1, 3, 7, 9, 13, 15, 17
	2.5	Infinite Sets	1 – 29
	Review	Chapter 2 Review	1 – 51, 53 – 63 all
	3.1	Statements & Quantifiers	1 – 51, 65 – 103
	3.2	Truth Tables	5 – 37, 47 – 52 all
	3.3	Types of Statements	7 – 61
	3.4	Logical Arguments	1 – 11, 19 – 55
	3.5	Euler Circles	15 – 21, 25 – 31
	Review		1 – 79
	4.1	Early & Modern Numeration Systems	1 – 99
	4.2	Tools & Algorithms in Arithmetic	13 – 29
	4.3	Base Number Systems	1 – 79
	4.4	Operations in Base Number Systems	9 – 55
	Review	Chapter 4 Review	1–26, 31 –38 all, 43 – 65, 69 –79 odd
	5.5	The Real Numbers	handout
	13.1	Mathematical Systems & Groups	7 – 61
	13.3	Modular Systems	5 – 53, 69 – 79
	Review	Chapter 5 Review Chapter 13 Review	74 – 83 all 1 – 16 all, 17 – 65 odd

First Semester Students A coach has been assigned to assist you with navigating your first semester in college. Coaches help with understanding how Mercer works, finding appropriate help with course work, and establishing academic goals. Visit www.mccc.edu/coaching to find your coach or Contact: Arlene Stinson, LB217, 570-3451, SOAR@mccc.edu

Academic Advising after your first semester Faculty advisors provide help with completing your major after your first semester. Meet your faculty advisors! Contact the division of your major to find out who is your faculty advisor.

Liberal Arts Division:	Debbie Stotland,	LA162, 570-3378,	Stotland@mccc.edu
Business Division:	Doris Geck,	BS134, 570-3482,	Geckd@mccc.edu
Math, Science, Health:	Barbara Pieslak,	MS126, 570-3383,	pieslakb@mccc.edu
Undecided major:	Michael Glass,	SC201, 570-3530,	glassm@mccc.edu

Use your “MyMercer” Portal! Your “MyMercer” portal contains your MercerMail, financial information, class schedule, grades, and other information. Check your “MyMercer” portal every day! Visit www.mccc.edu/mymercer to access your portal.

Tutoring support Academic support services are free and available for all students. Drop in or contact the following to make arrangements:

Arlene Stinson (WWC), LB 217, 570.3422, stinsona@mccc.edu
Joann Mia (TC), KC311, 570-3128, miaj@mccc.edu

Reasonable Accommodations for Students with Documented Disabilities The Office of Special Services (OSS) provides continued support to students with documented disabilities. Support staff are available to help students with differing abilities make a smooth transition to college as well as to succeed throughout their college experience. Contact:

Arlene Stinson, LB 217, 570-3525, stinsona@mccc.edu

Career and Transfer Center Planning to go to work or to transfer to a 4-year college after completing your Mercer degree? Contact the Career and Transfer Center for support and advice.

Laurene Jones (WWC transfer services), SC201, 570-3307, jonesl@mccc.edu
Michael Glass (WWC career services), SC201 570-3530, glassm@mccc.edu
Kimberley Bowser (TC transfer and career), KC216, 570-3110, bowserk@mccc.edu

Counseling Services Are you experiencing personal challenges, feeling overwhelmed? Are you having stress and anxiety? Counseling services are available free of charge. Contact:

Dorothy Gasparro, SC239, 570-3354, gasparrd@mccc.edu

Veteran’s Services If you are military, veteran, or family member, we offer free support for you. Contact: Drew Daddio, SC220, 570-3240, vets@mccc.edu

Important Spring 2015 dates For complete list, visit www.mccc.edu/news_calendar_academic

1/19/15 – Last day for 100% refund
1/26/15 – Last day for 50% refund
2/2/15 – Last day to apply for May 2015 graduation (apply at AD128)
2/24/15 – 10-week semester starts
4/3/15 – Last day to withdraw from 15-week class
4/15/15 – Start FASFA for Fall 2015