- Instructor: Michael McCabe
- Email: mccabem85@cod.edu

- GroupMe DM:
- Phone: 630 942 2152 (I can hear voicemails away from my desk.)
- Office: BIC 3436 B (Not Applicable for the summer session)
- Office Hours: ~~TR 0900 to 1200~~ TR 1200 to 1330 and MW 1400 to 1530.
    - ◇ Will take place in ~~Teams~~ or Blackboard Collaborate
    - ◇ If these hour do not work please email me three times and days that work.
- Course Description: Students develop the foundational mathematical skills necessary for general education mathematics courses (Math 1218 and Math 1220). Content features collaborative project-based and technology-enabled group work including modeling, problem solving, critical thinking, data analysis, algebra fundamentals, and both verbal and written communication of mathematical ideas.
- Repeatable for credit: No
- Pre-Enrollment Criteria:
- Prerequisite: MATH 0461 Pre-Algebra with a grade of "C" or better, or equivalent or MATH 0481 Foundations for College Mathematics I with a grade of "C" or better, or equivalent or a qualifying score on the math placement exam

Course Objectives

Upon successful completion of the course the student should be able to do the following:

(1) Apply characteristics of functions in mathematical modeling and real world problem solving
(2) Perform operations on algebraic expressions and functions
(3) Apply algebraic operations in modeling and real world problem solving
(4) Solve equations and inequalities in the context of modeling and real world problem solving
(5) Translate mathematical information symbolically, visually, numerically, and verbally
(6) Estimate answers to mathematical problems in order to determine reasonableness, identify alternatives, and select optimal results
(7) Recognize the value and limitations of mathematical models
(8) Use mathematically correct vocabulary and symbolism in problem statements, problem solving methods, and solution interpretations

Course Topic Outline

All topics, other than optional topics (indicated by *), will be covered.
Topics must include the following:

(1) Functions including graphical analysis
(2) Operations on algebraic expressions including factoring
(3) Modeling with linear functions and nonlinear functions

Topics must also include at least two of the following:

(1) Modeling with systems of equations
(2) Modeling using probability and statistics
(3) Modeling using geometry and right triangle trigonometry
(4) Modeling using proportional reasoning

Required Material

- Almy, Kathleen, and Heather Foes. Math Lit: a Pathway to College Mathematics. 2nd ed., Pearson, 2017. (Hard Copy Required)
- MyMathLab Access Code

Academic Calendar

- Monday, June 1 8-Week Classes Begin
- Saturday. July 4 Legal Holiday (Independence Day) (No Classes)
- Sunday, July 12 Last Day to Withdraw - 8-Week
- Sunday, July 26 End of 8-Week Classes

Tentative Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	06/01/20	06/02/20	06/03/20	06/04/20	06/05/20	06/06/20	06/07/20
Videos	1.3	1.4	1.5	1.6/1.7			
MML				#1			#2
Turn-In		1.3	1.4	1.5	1.6	1.7	
Exam							
Project							
2	06/08/20	06/09/20	06/10/20	06/11/20	06/12/20	06/13/20	06/14/20
Videos	1.8/1.9	1.10/1.11	1.12	1.13			
MML			#3		#4		
Turn-In		1.8/1.9	1.10/1.11	1.12/1.13			
Exam						Exam 1	
Project							
3	06/15/20	06/16/20	06/17/20	06/18/20	06/19/20	06/20/20	06/21/20
Videos	1.15	1.16	2.2/2.3	2.4			
MML				#5			#6
Turn-In		1.15	1.16	2.2	2.3	2.4	
Exam							
Project							Project 1
4	06/22/20	06/23/20	06/24/20	06/25/20	06/26/20	06/27/20	06/28/20
Videos	2.5/2.6	2.7/2.9	2.10/2.11	2.12			
MML			#7		#8		
Turn-In		2.5/2.6/2.7	2.8/2.9/2.10	2.11/2.12			
Exam						Exam 2	
Project							
5	06/29/20	06/30/20	07/01/20	07/02/20	07/03/20	07/04/20	07/05/20
Videos	2.13	2.14	2.15	2.17			
MML				#9			#10
Turn-In		2.13	2.14	2.15	2.17		
Exam							
Project							Project 2
6	07/06/20	07/07/20	07/08/20	07/09/20	07/10/20	07/11/20	07/12/20
Videos	3.3/3.4	3.5/3.6	3.7	3.8			
MML			#11		#12		
Turn-In		3.3/3.4	3.5/3.6	3.7/3.8			
Exam						Exam3	
Project							
7	07/13/20	07/14/20	07/15/20	07/16/20	07/17/20	07/18/20	07/19/20
Videos	3.9/3.10	3.11	3.13/3.14	3.15/3.16			
MML			#13		#14		
Turn-In		3.9/3.10	3.11/3.13	3.14/3.15	3.16		
Exam							
Project							Project 3
8	07/20/20	07/21/20	07/22/20	07/23/20	07/24/20	07/25/20	07/26/20
Videos	4.2/4.3	4.4	Catch-Up	Catch-Up			
MML			#15				
Turn-In		4.2	4.3	4.4			
Exam						Final Exam	
Project							

<div align="center">METHOD OF EVALUATION</div>

Exam Assessment (1500 total points).

- General Information:
    - ◇ 250 points, 500 points, and 750 points for Exams 1, 2, and 3 respectively.
    - ◇ Each exam will be a take-home exam and will need to be completed in **24 hours.**
    - ◇ **All work must be shown** and must be from own knowledge or referenced by MyMathLab, Required Text, or Personal Notes. Use of alternative resources are subject to be **reported to academic integrity**.
    - ◇ It is suggest all work be cited from the text, there is no formal method of citing.
- Submission Procedure:
    - ◇ Each exam will be opened at a certain time of day and will begin the 24 hour clock.
    - ◇ The expectation is to print the exam, show all work on the printed exam, and then scan the entire exam. For examples please ask.
    - ◇ The file format required for submission is "exam<exam number>.pdf". No other file formats will be accepted. Any file formats that are not readable will not be accepted.
    - ◇ Photo file format will not be accepted, and email submissions will not be accepted. All submission will be through ~~Teams or~~ Blackboard.

3 Projects (1500 total points).

- General Information:
    - ◇ 250 points, 500 points, and 750 points for Project 1, 2, and 3 respectively.
    - ◇ Each project will have several days to complete.
    - ◇ It is encourage to use what ever resources necessary to complete the project.
- Submission Procedure:
    - ◇ Each project will be opened at the beginning of each cycle, and will be due at the end of the cycle.
    - ◇ All work will be submitted through Blackboard ~~or Teams~~.
    - ◇ Equation editor(s) will be necessary to complete problems on the projects.
    - ◇ Spreadsheets may also be necessary for submission.

15+ Online Homework Assessment (1001 points).

- Will be done in MyMathLab
    - ◇ Unlimited attempts.
    - ◇ Each worth 77 points.
- There will be **at least** 2 dropped assignments
    - ◇ Thus, **no make-ups**.
    - ◇ No reopening assessments.

15+ Online Quiz Assessment (1001 points).

- Will be done in MyMathLab
    - ◇ Each worth 77 points.
    - ◇ 5 attempts; however, for attempts 2, 3, 4, and 5 a 70% higher must be achieved for the associated homework assessment.
- There will be **at least** 2 dropped quizzes.
    - ◇ Thus, **no make-ups**.
    - ◇ No reopening assessments.

43+ Turn-in Assessment (1500 total points).

- Each worth 37.5 points, and at least 3 drops.
- At the end of each section in the required text there is written homework. It is encourage to compete them after watching a lecture video.
- The turn-in assignment is located at the end of each section and is also located in MML under Homework Masters.
- Submission Procedure:
    - ◇ Each Turn-In will have a due date defined by Blackboard ~~or Teams~~.
    - ◇ All work will be submitted through Blackboard ~~or Teams~~.
    - ◇ The expectation is to print the homework master or write in own text, show all work, and then scan the entire document. For examples please ask.
    - ◇ The file format required for submission is "TurnIn<section number>.pdf". No other file formats will be accepted. Any file formats that are not readable will not be accepted.
    - ◇ Photo file format will not be accepted, and email submissions will not be accepted. All submission will be through Teams or Blackboard.

43+ Video Assessments (1500 total points).
- Each worth 37.5 points and due dates will be defined by Blackboard. There will be at least 3 drops; thus, **no make-ups**.
- Watching videos is an important part of the learning process, and will be monitored heavily.
- The expectation is to watch each video in it's entirety. Some videos will be longer than an hour long so plan accordingly. My suggestion is to treat the videos as lecture time.
- Each video will have assessments
  - ◊ Assessments could be scanning own text book to show notes taken.
  - ◊ Assessments could be "quizzes" throughout the video.

Final Exam (2000 total points).
- Same process as Exam assessments.
- Will cover all course material.

Letter grade breakdown. There is 10,002 total points and must achieve a minimum of 90%, 80%, 70%, and 60% for A, B, C, and D respectively (I do round).

- **A:** at least 9001.8 total points
- **B:** at least 8001.6 total points
- **C:** at least 7001.4 total points
- **D:** at least 6001.2 total points
- **F:** below 5001 total points

Academic Honesty

As members of the College of DuPage community, we share a commitment to the highest standards of learning and ethical behavior. The College and its faculty strive to build meaningful and productive relationships with our students. The expectation of honesty and effort is the foundation of that relationship. Academic dishonesty damages the learning partnership built between student and faculty and is considered a serious breach of the principles of learning and growth. Violations of the Code of Academic Conduct will be dealt with appropriately and may become part of a student's educational record. Please don't risk it!

For further information about the expectations, please review the Code of Academic Conduct found at the following website: Code of Academic Conduct.

Withdrawal Policy

Withdrawal from a Class. The final day for a student to withdraw from any course will be equal to 75% of the time for the respective academic session (see the Registration Calendar) through MyAccess or in person at the Registration office, Student Services Center (SSC), Room 2221.

Administrative Withdrawal. After the deadline, students will be required to appeal for late withdrawal and provide appropriate documentation to the Student Registration Services Office for all requests. Students who are granted approval to withdraw by petition will not be eligible for refunds of tuition or fees and will receive a 'W' grade on their transcript. Appeals must be submitted prior to the designated final exam period for 16-week classes and before the last class meeting for all other session classes.

Coronavirus Information. Stay up to date with information provided by the college about alternative withdrawal policies. Coronavirus Information