

1. INSTRUCTOR

- Instructor: Michael McCabe
- Email: mccabem85@cod.edu
- Phone: 630 942 2152 (I can hear voicemails away from my desk.)
- Office: BIC 3436 B (Blackboard Collaborate if campus is closed)
- Office Hours: TBD

2. COURSE DESCRIPTION

- Students are required to attend lecture Tuesday and Thursday from 12:00 pm to 1:15 pm.
 - Lecture will take place in Blackboard Collaborate. This will be accessed by clicking on “Link to Lecture” and then clicking on “Lecture” (the link will appear 15 minutes prior to the start time).
 - For days that Blackboard Collaborate is down, live sessions will be hosted at twitch.tv/codmccabe.
 - A recorded lecture of some form will be available upon request.
 - Students are expected to attend the whole session and will be tracked by Blackboard Collaboration attendance interface.
 - Students are expected to have Learning Catalytics up and running prior to class to earn participation points.
 - Instructor will be grateful if students use quick reaction tools provided by Blackboard Collaborate.
 - Instructor will be joyful if students ask questions during lecture.
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- Course Title: Quantitative Literacy
- Course Number: 1220
- Credit Hours: 3, Clinical Hours: 0, Lecture Hours: 3, Lab Hours: 0
- Course description to appear in catalog: Students will learn basic numeracy needed by a college graduate to reason about quantities, their magnitudes, and their relationships between and among other quantities. Topics include linear systems, linear programming, analysis and interpretation of graphs, logic and reasoning, descriptive statistics, the normal distribution, statistical inference, estimation, and approximation. This course is designed to fulfill general education requirements, and not designed as a prerequisite for any other college mathematics course.
- Repeatable for credit: No
- Pre-Enrollment Criteria:
- Prerequisite: MATH 0465 Preparatory Mathematics for General Education with a grade of "C" or better, or equivalent or
- Prerequisite: MATH 0482 Foundations for College Mathematics II with a grade of "C" or better, or equivalent or
- Prerequisite: a qualifying score on the mathematics placement test

3. COURSE OBJECTIVES

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

- (1) Solve an application problem using a linear system of equations and readily available technology
- (2) Solve an application problem using linear programming and readily available technology
- (3) Analyze graphs
- (4) Interpret graphs

- (5) Construct truth tables
- (6) Determine the validity of arguments
- (7) Apply techniques of descriptive statistics
- (8) Solve an application problem using normal distributions
- (9) Apply techniques of inferential statistics
- (10) Apply techniques of estimation and approximation

4. TOPICAL OUTLINE

Topical Outline:

- (1) Linear systems of equations
- (2) Linear programming
- (3) Analysis and interpretation of graphs (various models)
- (4) Logic and reasoning
- (5) Descriptive statistics
 - (a) Collecting and describing data
 - (b) Correlation and regression
- (6) Normal distribution
- (7) Statistical inference
 - (a) Hypothesis testing
 - (b) Confidence interval estimation
- (8) Estimation and approximation

5. REQUIRED TEXT

- College Math 1220 (PKG)(COD custom)
- Required to have My Math Lab Access code. Contact bookstore about information.
- My Math Lab is an assessment tool that will be required for Homework assessments and participation assessments.

6. METHOD OF EVALUATION

- (1) Final Exam (weight 20%)
 - (a) Comprehensive final covering all materials covered in class.
 - (b) Method of implementation is subject to change.
- (2) Exams (weight 20%)
 - (a) There will be 4 Exams about 3 weeks apart.
 - (b) Each exam will be released via Blackboard Saturday night at 11:59 pm and will be due Sunday at 11:59 pm.
 - (i) This is open for discussion.
 - (c) Submission Process:
 - (i) Download the exam PDF.
 - (ii) Show all work on the exam. How to show work on the exam:
 - (A) Use an annotation tool like OneNote or Kami.
 - (B) Print on paper and write on the paper.
 - (iii) Submit PDF to Blackboard from the same location where the PDF was downloaded. Requirements:
 - (A) The submission file must be a single PDF file; otherwise, the submission will be worth zero points.
 - (d) Any cause for delayed submission must be announced via email to mccabem85@cod.edu prior to the due date and time.
- (3) My Math Lab Homework (weight 20%)

- (a) Assignments will be due in MML days after a section is covered.
 - (b) There will be at least 3 assignments with the lowest score which will be dropped from the overall MML score.
 - (c) **There will be no extensions to MML homework assignment for any reason.**
- (4) Turn-Ins (weight 20%)
- (a) Shortly after a section is covered a Turn-In assignment will be due.
 - (b) This is an opportunity to put “pencil-to-paper” the material taught in class. It is also a great source for asking questions if confusion exists.
 - (c) “There will be at least 3 drops.”
 - (d) Late assignments will be accepted with at least a 10% point deduction.
 - (e) Do not contact me for accommodations due to medical issues. All accommodations due to medical issues must be directed to the Access and Accommodations department at the College of DuPage. Please do not send me any doctors notes or medical records.
- (5) Attendance and Participation (weight 10% each)
- (a) Attendance will be tracked by Blackboard Collaborate.
 - (i) Do not access the class as guest or you will not receive attendance points for that day.
 - (ii) Use Chrome Browser to ensure seamless connection with Blackboard Collaborate.
 - (iii) Access Illinois and County government websites for locations of free WiFi locations if necessary.
 - (iv) There will be at least 3 attendance session with the lowest score which will be dropped from the attendance-portion score. “There will be at least 3 drops.”
 - (v) **There will be no extensions for attendance for any reason.**
 - (b) Participation will be tracked by Learning Catalytics.
 - (i) Learning Catalytics can be access through MML Assignments (usually at the bottom of the page).
 - (ii) Must submit answers to each question to receive participation points.
 - (iii) There will be at least 3 participation session with the lowest score which will be dropped from the Participation-portion score.“There will be at least 3 drops.”
 - (iv) **There will be no extensions for participation for any reason.**

6.1. **Calculate Grade.** Almost all methods of evaluation is open for discussion.

Category	Earned Total	Available Total	Percent	Weight	Percent × Weight
Final	156	200	78.0	20	$78 \times 20 = 1560$
Exams	250	400	62.5	20	$62.5 \times 20 = 1250$
MML	200	230	87	20	$87 \times 20 = 1740$
Turn-Ins	32	35	91.4	20	$91.4 \times 20 = 1828$
Attendance	39	42	92.9	10	$92.9 \times 10 = 929$
Participation	38	42	90.5	10	$90.5 \times 10 = 905$
			Totals	100	8212
				Grade	$\frac{8212}{100.0} = 82.12$

TABLE 1. Earned Totals are completely made up and the Available Total is **about** the actual value at the end of the semester.

Category	Earned Total	Available Total	Percent	Weight	Percent \times Weight
Final				20	
Exams				20	
MML				20	
Turn-Ins				20	
Attendance				10	
Participation				10	
			Totals	100	
				Grade	

TABLE 2. Blank Table (Ask for available totals after spring break)

7. ACADEMIC CALENDAR

- Monday, January 25 Class begins.
- Monday, March 29 to Sunday, April 4 Spring Break (NO CLASS).
- Sunday, April 18 Last day to Withdraw.
- Saturday, May 15 to Friday, May 21 Final Evaluations/Culminating Activities.

8. TENTATIVE SCHEDULE

For due dates look to Blackboard calendar. Here is the tentative content schedule:

	Tuesday	Thursday	Notes
1	Tech and 1A	1B and 1C	
2	1C and 1D	1E	
3	2A and 2B	2B and 2C	
4	3A	3B and 3C	
5	3C and 3D	3E	Exam 1
6	4A	4B and 4C	
7	4C and 4D	4E	
8	5A	5B	
9	5C	5D	Exam 2
10	Spring Break		No School
11	6A	6B	
12	6C	6D	
13	7A	7B	
14	7B	7C	Exam 3
15	81 and 82	83 and 84	
16	85 and 86	87 and 88	
Finals	Finals		

TABLE 3. Tentative Schedule

9. SUGGESTIONS AND ADVICE

- (1) In class
 - (a) Use Chrome browser to video Blackboard Collaborate
 - (b) Tabs to open
 - (i) Blackboard Math 1220 Course
 - (ii) Blackboard Collaborate
 - (iii) Class Notebook in OneNote
 - (iv) My Math Lab

- (c) Ask questions and use the quick response options provided by Blackboard Collaborate.
- (2) Outside of class
 - (a) Prior to class read the sections about to be covered.
 - (b) With at least a one hour break attempt the Turn-In assignment for the section covered in class.
 - (c) With at least a one hour break attempt the My Math Lab homework for the section covered in class.
 - (d) Attend office hours for at least 30 minutes each week.
 - (e) Since this is a 3 credit hour class it is expected to spend 6 hours a week outside of class learning the material.
- (3) Weekends
 - (a) Finish all assignments not completed throughout the week.
 - (b) Study the 3 questions created.
- (4) Communication
 - (a) Email mccabem85@cod.edu for personal or academic matters.
 - (b) Use Discord for for general questions about assignments, due dates, or other class related questions.
 - (c) Use Discord DM for quick non-personal/non-academic matters that it not class related.

Category	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total hours
Personal Time	5pm to 6pm	5pm to 6pm	5pm to 6pm	5pm to 6pm	5pm to 6pm	5pm to 6pm	5pm to 6pm	7
Work on Turn-Ins		6pm to 7pm		6pm to 7pm			6pm to 7pm	3
Work on My Math Lab		7pm to 8pm	7pm to 8pm	7pm to 8pm	7pm to 8pm		7pm to 8pm	5
Math Assistance Area		8pm to 9pm	8pm to 9pm	8pm to 9pm				3

FIGURE 1. These are made up time frames.

10. 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](#).

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11. 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](#)

12. ACCESS AND ACCOMMODATIONS

- As a course policy, I do not accept late work/make up for MML assignments, attendance, and participation. I am committed to providing fair, equal, and unbiased accommodations. If you believe that your circumstances qualify you for accommodations, please contact the Center for Access and Accommodations at access@cod.edu. Staff from the Center can help you better understand if your situation qualifies you for an accommodation.
- If you are student who is registered with the Center for Access and Accommodations, please send me your Letter of Accommodation as soon as possible.
- Please do not send me personal medical records or similar personal documents.

The College of DuPage is committed to the equitable access of educational opportunities for students with disabilities in accordance with The Americans with Disabilities Act, As Amended and Section 504 of the Rehabilitation Act of 1973. Any student who feels they may need an accommodation on the basis of an illness, injury, medical condition, or disability should contact the Center for Access and Accommodations to determine eligibility for accommodations and to obtain an official Letter of Accommodation. The Center for Access and Accommodations can be reached via email at access@cod.edu. Students may also initiate a request for services by going to www.cod.edu/access and clicking on the green box labeled “complete form to request accommodations.” If you are already registered with the Center for Access and Accommodations, please email me your Letter of Accommodation as soon as possible. Please DO NOT send any private health documentation or Doctor’s notes to me.