

MATH 119 – Fall 2018 Syllabus – Section 002

Instructor: Gracie Conte

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Office Hours: Coming soon, or by appointment.

Course Meeting Time and Room: MWF 1:25pm – 2:15pm Phillips 367

Course Information

Text: *College Algebra in Context with Applications for the Managerial, Life, and Social Sciences*, by Harshbarger and Yocco, 5th Edition.

MyMathLab: The access code may be purchased using a credit card or in the UNC Textbook store. You can also bundle with a physical copy of the textbook (See options below). You must purchase an access code and enroll online in order to view and submit homework assignments.

Textbook Options (in order of least to greatest cost for students):

- 1) MyMathLab that comes with an e-book version
- 2) Book a la carte + MyMathLab : This is a loose-leaf text option
- 3) Hardback Textbook + MyMathLab

Technology

Required - Excel

Allowed - Scientific or Graphing calculator (TI 83/84, etc)

Not allowed – Symbolic Manipulators (TI-89, Inspire CAS, Voyage 200, Casio ClassPad 330, computer software, etc.)

Sakai: <https://sakai.unc.edu/portal>

Course Content:

- Linear (Chapter 1, Chapter 2)
- Quadratic (Chapter 3)
- Exponential and Logarithmic (Chapter 5)
- Higher Ordered Polynomials (Chapter 6)
- Additional Topics focusing on Modeling/Data

Course Objectives:

- Examine data and predict the type of mathematical equation that can be used to model the data
- Understand graphs, equations, and solving processes for mathematical models
- Utilize technology to develop models, display graphs, make predictions, and connect the mathematics back to the data
- Understand various features in Excel

Class Structure:

- Students are expected to prepare for each class by reading the text before the start of class.
- Classes will include cooperative learning and inquiry based methods

Class Schedule

- Please see the final page for a tentative class schedule. Note that it is subject to change.

Class Expectations

Honor Code Statement: Each student is expected to abide by the Honor Code and the Student Code of Conduct. <http://honor.unc.edu>

In this class, all exams must be done individually and are closed book and closed notes. It is an instance of cheating to give or receive help on an exam, except from the instructor. On homework assignments, students are encouraged to work together in pairs or small groups, provided that all participants are contributing and the collaboration benefits the learning of all involved. Simply copying or trading answers is an instance of cheating.

Attendance: You are expected to attend class. Do not make tardy's a habit. Also, leaving class early tells me that you did not want to be in class that day, and will be counted as an absence. If you need to leave early, let me know in advance. You are only allowed two unexcused absences.

Electronic Devices: All cell phones, MP-3 players, etc must be turned off and put away. Exceptions: taking notes on a PC, viewing the in-class handouts posted on Sakai, or working on Projects or Excel assignments.

Grading

Grading: 10-point grading scheme

90% and above – at least A-
80% and above – at least B-
70 % and above – at least C-
60% and above – at least D
less than 60 % – F

Grade Calculation:

Homework	15%
Excels	15%
Test 1	15%
Test 2	15%
Final Project	10%
Final Exam	30%

NO make-up tests; NO make-up HW; NO extra credit.

Tests: There will be two in-class tests. You may take a test early, if you talk to me ASAP and you have a legitimate reason as approved by the dean's office. I will need to receive verification from the dean's office before allowing you to take an exam early. You may not take a test late. Your lowest test grade will be replaced by the your final exam grade if and only if your final exam is higher than your lowest test grade.

Final Exam: The final is cumulative. A written exam excuse from the student's dean is required for any student needing to take the exam at another time. Instructors may not give permission for make-up or alternate exam times.

Homework: Homework will be the MyMathLab homework.

Excels / Project: Out-of-class assignments that will consist of Excel assignments and one Final Project. The final project will have due dates to ensure timely progress is made.

Authorized Aid: I strongly encourage you to collaborate with your classmates on your HW. Study groups are what got me through college, so I highly suggest you do the same. You may not use an on online problem-solving service for graded work.

MyMathLab Information

MyMathLab: <https://www.pearsonmylabandmastering.com/northamerica/mymathlab/>

Course ID: conte75913

Registration Information:

https://portal.mypearson.com/course-home/handout/thomas77947/Student_Registration_Handout_thomas77947.pdf

This PDF is also posted on Sakai.

If you have Financial Aid for textbooks: In order to be reimbursed for the purchases, students receiving financial aid must buy MyMathLab and/or textbook with MyMathLab through the UNC Student Stores. Others may want to buy MyMathLab access directly from MyMathLab website.

Resources

Accessibility Resources and Service: Any student who utilizes Accessibility services should contact me immediately to make sure you are receiving all of your accommodations and that I have acquired your paper work from the University.

Math Help Center: The Math Help Center (Phillips 237) offers free tutoring services for MATH 119. The Fall 2018 hours are as follows: 10:00am-6:00pm Monday – Thursday, 10:00am-3:00pm Friday. The MHC will be open every day that the university is open, starting from the first day of class to the last day of class. For more information, go to: <http://math.unc.edu/undergraduate/math-help-center/>.

Learning Center: Facilitates study groups, provides one on one peer tutoring, and provides one on one academic coaching with a faculty coach. Contact Jackie Stone at jacsto@email.unc.edu for more information on the services for mathematics or go to <http://learningcenter.unc.edu/>.

Dey Hall Tutoring: Free tutoring on the second floor of Dey Hall on Tuesday and Wednesday evenings from 6:00-9:00pm. Please check the specific times. For more information, go to: <http://learningcenter.unc.edu/drop-in-peer-tutoring/>.

Paid Tutors: The Math Department keeps a list of paid tutors in the main office in Phillips 329 or online at <http://math.unc.edu/undergraduate/resources-2/>.

Week	Date	Section and Topic	Due Dates
1	8/22	Syllabus, Introduction	
	8/24	1.1 Functions and Models	8/27
2	8/27	1.2 Graphs of Functions	9/04
	8/29	1.3 Linear Functions	9/04
	8/31	1.4 Equations of Lines	9/04
	9/03	(Labor Day)	
3	9/05	Introduce Excel	
	9/07	2.1 Algebraic/Graphical Solutions of Linear Functions	9/10
	9/10	2.2 Fitting Lines to Data Points: Modeling Linear Functions	9/18
4	9/12		
	9/14	Hurricane Florence	
	9/17		
5	9/19	Excel 1	9/28
	9/21	3.1 Quadratic Functions and Parabolas	9/24
6	9/24	3.2 Solving Quadratic Equations	10/01
	9/26	3.3 Power Functions	10/01
	9/28	3.4 Quadratic and Power Models	10/01
		<i>Due: Excel 1</i>	
7	10/01	Review	
	10/03	Test 1	
	10/05	5.1 Exponential Functions	10/08
8	10/08	5.2 Logarithmic Functions	10/15
	10/10	Excel 2	10/29
	10/12	5.3 Exponential and Logarithmic Functions	10/15
9	10/15	5.4 Exponential and Logarithmic Models	10/22
	10/17		
	10/19	Fall Break	
10	10/22	5.5 Exponential Functions and Investing	10/29
	10/24	5.7 Logistic and Gompertz Functions	10/29
	10/26	<i>Due: Final Project Topic</i>	
11	10/29	<i>Due: Excel 2</i>	
	10/31	Review	
	11/02	Test 2	
12	11/05	6.1 Higher Degree Polynomials	11/12
	11/07	Graphing Polynomial Equations	
	11/09	6.2 Modeling with Cubic and Quartic Models	11/12
13	11/12	Excel 3	11/28
		<i>Due: Final Project Data</i>	
	11/14	6.3 Solutions of Polynomial Equations	11/19
	11/16	6.4 Polynomial Equations Continued	12/03
14	11/19		
	11/21		
	11/23	Thanksgiving Break	
15	11/26	6.4 Fundamental Theorem of Algebra	12/03
	11/28	<i>Due: Excel 3</i>	
	11/30	<i>Due: Final Project</i>	
16	12/03	Review	
	12/05	Review (Last day of class)	
	12/10	Final Exam: 12:00 – 3:00 pm	