

Math 107 - Precalculus I
Section 001
Summer – Session I – 2020
3 Credit Hours

Instructor: Mark P Zimmerman

Office: Home via Zoom

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Office Hours: Virtual (via Zoom) M 6-7pm, F 11am-noon. If you are going to attend the virtual office hours, please let me know with a quick email/text at least 10 mins before. If no one RSVPs, then I will not hold them. There is a link posted on our Moodle page. You will need to download the Zoom client. As a note I use a tablet for the Zoom meetings so I can share my screen and work through problems. You can also schedule an appointment with me during the week morning, day, or night.

Course Meeting Time: Since this is a distance education class, the course meeting time is up to you! There are no standard lectures but instead there are Modules to work through. Each new topic has a written and a video explanation. We also have a forum where you can ask questions any time.

Review (Q&A) Sessions: I will also hold sessions (via Zoom) for questions and answers before every test. These will be posted on the schedule. Different than office hours in the sense that I will only be answering questions from the modules you should have covered up and they will not be scheduled in at the same time every week.

Prerequisite: N/A

GEP Category: This course does fulfill a General Education Program requirement.

Materials/book: All of the material for this course can be found on two websites:

1. **Moodle** - <https://wolfware.ncsu.edu>
The Moodle page is where you will find the bulk of the course information. Here you will find the forum, modules, practice problems, test info, announcements, etc.
2. **WebAssign** - <https://www.webassign.net/ncsu/login.html>
WebAssign is where you can access the textbook and work on/submit your homework.

NOTE: that while Moodle is free, WebAssign is ~\$73, but is **required**. This cost includes the online homework and your textbook.

You will be allowed to use a basic or scientific calculator on the exams. You cannot use a graphing calculator, programmable calculator, or your phone's calculator.

Course Description: Study of real numbers, polynomial, rational, exponential, logarithmic, trig functions and all their graphs. The courses should also improve and refine mathematical problem-

solving abilities and develop logical reasoning skills. By the end of the semester the student should be able to analyze word problems, graph basic sketches of all kinds of functions, solve equations and understand when to use the skills they have acquired. Credit for MA 107 does not count toward graduation for students in Engineering, College of Sciences, Bio and Ag Engineering (Science Program), Bio Sci (all options), Math Edu, Sci Edu, Textiles, and B.S. degrees in CHASS. Credit is not allowed for both MA 107 and MA 111.

Course Structure and Rules of Engagement: As this is an online course, it will be your responsibility to keep up with reading the text, doing the modules, and completing the WebAssign homework. This course covers a lot of material and moves quickly so it is important to keep up with the schedule throughout the next five weeks. I recommend completing the module and the corresponding “Try-its” before starting on the WebAssign. Students are encouraged to work together but, to be successful in the course, it is important that you understand the material and can complete the problems on your own. As mentioned, there are forums on Moodle for asking questions to me as well as to the class.

Homework: Your homework will be completed on WebAssign. See the instructions on Moodle to get logged in. You should sign up for WebAssign as soon as possible to get access to the textbook and to begin working on the homework assignments.

All homework is due by the last day of the class: 16 June 2020, by 10pm

Exams: There will be three exams during the summer session and a final exam. These will be taken through Moodle. Each exam will be open for a set time period on the exam day you can take the exam at any point during that time period. Once started the exam has a one (1) hour time limit so please be prepared. I will also host a zoom meeting during that time for individuals to ask me questions while taking the exam.

- ☞ The final exam is cumulative and mandatory
- ☞ All exams are closed book/notes
- ☞ Non Programmable calculators are allowed (No graphing calculators)
- ☞ No re-tests will be given
- ☞ Personal travel plans cannot be considered as a reason for making up the exams
- ☞ Missing a test due to an undocumented reason will result in a zero score for that test
- ☞ Anticipated absences must be reported before the test dates.
- ☞ Emergency absences must be report ASAP or within 24 hours of the test date.

Grading:

1. Module Pre-Tests, Try-Its, Chapter Tests (5%)
2. WebAssign Homework (30%)
3. Three Hourly Exams (15% per test)

Dates:

- Exam 1 – Friday, 22 May 2020
- Exam 2 – Tuesday, 2 June 2020
- Exam 3 – Friday, 12 June 2020

4. Final Exam: 17 June 2020 (20%)

Below is the +/- grading scale that will be to determine your final grade. To maintain fairness, I do not round or curve final grades.

Standard Grading Scale:

A+	96.5 - 100	A	92.5 - 96.4	A-	89.5 - 92.4
B+	86.5 - 89.4	B	82.5 - 86.4	B-	79.5 - 82.4
C+	76.5 - 79.4	C	72.5 - 76.4	C-	69.5 - 72.4
D+	66.5 - 69.4	D	62.5 - 66.4	D-	59.5 - 62.4
		F	0 - 59.4		

Requirements for Credit-Only (S/U) Grading: In order to receive a grade of S, students are required to take all exams and quizzes, complete all assignments, and earn a grade of C- or better. Conversion from letter grading to credit only (S/U) grading is subject to university deadlines. Refer to the Registration and Records calendar for deadlines related to grading. For more details refer to <https://policies.ncsu.edu/regulation/reg-02-20-15/>.

It is important that you consult with your advisor to see if the course will count towards your graduation requirements before taking this course as credit-only.

Incomplete Grades: Incomplete grades will be handled on an individual basis. Note, however, that if an extended deadline is not authorized by an instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as attempted courses on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at <https://policies.ncsu.edu/regulation/reg-02-50-03/>.

Attendance Policy/Absence Policy/Late Assignments/Make-up Work: As this is an online course attendance and absence does not directly apply. However, if you are unable to complete an assignment for an excused reason you should contact me as soon as possible. Late assignments and make-up work will only be allowed for excused absences. You should contact me by email or in person before any anticipated excused absence. If you have an unanticipated excused absence (for example, a medical emergency), you should contact me within one week of returning to class. For complete attendance and excused absence policies, please see <https://policies.ncsu.edu/regulation/reg-02-20-03-attendance-regulations/>.

Academic Integrity/Honesty: It is my understanding and expectation that your signature on any test or assignment means that you have neither given nor received any unauthorized aid. Students are required to comply with the university policy on academic integrity/honesty found in the Code of Student Conduct (<https://policies.ncsu.edu/policy/pol-11-35-01/>).

Electronically-Hosted Course Components: All reading materials are housed on the course website. Students may be required to disclose personally identifiable information to other students in the course, via electronic tools like email or web-postings, where relevant to the course. Examples include online discussions of class topics and posting of student coursework. All students are expected to respect the privacy of each other by not sharing or using such information outside the course.

Accommodations for Disabilities: Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with the Disability Resource Office at Holmes Hall, Suite 304, Campus Box 7509, 919-515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (REG02.20.01) .

Non-Discrimination Policy: NC State prohibits discrimination, harassment, and retaliation that are based upon a person's race, color, religion, sex (including pregnancy), national origin, age (40 or older), disability, gender identity, genetic information, sexual orientation, or veteran status (individually and collectively). If you feel that you have been the subject of prohibited discrimination, harassment, or retaliation, you should contact the Office for Institutional Equity and Diversity (OIED) at 919-515-3148.

NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/pol-04-25-05> or <http://oied.ncsu.edu/divweb>.

Trans-Inclusive Statement: In an effort to affirm and respect the identities of transgender students in the classroom and beyond, please contact me if you wish to be referred to using a name and/or pronouns other than those listed in the student directory.

Basic Needs Security: Please notify me, if you are comfortable doing so, if you face challenges securing your food or housing or if you have other severe adverse experiences, and you believe your challenges may affect your performance in the course. Alternatively, you can contact the Division of Academic and Student Affairs to learn more about the Pack Essentials program (<https://dasa.ncsu.edu/pack-essentials>).

Supporting Fellow Students in Distress: As members of the NC State Wolfpack community, we each share a personal responsibility to express concern for one another and to ensure that this classroom (as well as the campus as a whole) remains a healthy and safe environment for learning. Occasionally, you may come across a classmate whose personal behavior concerns or worries you, either for your classmate's well-being, for your well-being or for the well-being of others. When this is the case, I would encourage you to report the behavior on the link located on NC State's Students of Concern website (<http://go.ncsu.edu/NCSUcares>).

List of Policies: Students are responsible for reviewing the NC State University PRRs (policies, rules and regulations) that pertain to their course rights and responsibilities:

☞ Equal Opportunity and Non-Discrimination Policy Statement

<https://policies.ncsu.edu/policy/pol-04-25-05/>

with additional references at

<https://oied.ncsu.edu/equity/policies/>

☞ Code of Student Conduct

<https://policies.ncsu.edu/policy/pol-11-35-01/>

☞ Grades and Grade Point Average

<https://policies.ncsu.edu/regulation/reg-02-50-03/>

☞ Credit-Only Courses

<https://policies.ncsu.edu/regulation/reg-02-20-15/>

☞ Audits

<https://policies.ncsu.edu/regulation/reg-02-20-04/>

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SCHEDULE

Week	Date	Module	Topic	Checkpoint Homework	Exam Dates
1	Wed, 13 May	1 & 2	Functions & Algebra of Functions		
	Thurs, 14 May	3	Basic Graphs	HW 1 & 2	
	Friday, 15 May	4	Piecewise Graphs	HW 3	
2	Mon, 18 May	5	General Graphing	HW 4	
	Tues, 19 May	6	Applied Problems	HW 5	
	Weds, 20 May	7	Quadratic Functions	HW 6	
	Thurs, 21 May	Review	Mods 1-6	HW 7	
	Friday, 22 May	Exam 1	Mods 1-6	HWs 1-7	EXAM 1
3	Mon, 25 May	8	Polynomials		
	Tues, 26 May	9	Rational Functions	HW 8	
	Weds, 27 May	10	Composition of Functions	HW 9	
	Thurs, 28 May	11	Inverse Functions	HW 10	
	Friday, 29 May	12	Exponential Functions	HW 11	
4	Mon, 1 June	Review	Mods 7-12	HW 12	
	Tues, 2 June	Exam 2	Mods 7-12	HWs 1-12	EXAM 2
	Weds, 3 June	13 & 15	Logarithms & Properties		
	Thurs, 4 June	13 & 15	Logarithms & Properties		
	Friday, 5 June	14 & 16	Application of Exponential & Logarithmic Functions	HW 13 & 15	
5	Mon, 8 June	14 & 16	Application of Exponential & Logarithmic Functions		
	Tues, 9 June	17	Angles	HW 14 & 16	
	Weds, 10 June	18	Right Triangle Trigonometry	HW 17	
	Thurs, 11 June	Review	Mods 13-18	HW 18	
	Friday, 12 June	Exam 3	Mods 13-18		EXAM 3
6	Mon, 15 June	Review	Mods 1-18	HW 1-18	
	Tues, 16 June	Review	Mods 1-18		
	Weds, 17 June	FINAL	Mods 1-18		Final