Math 31.07   Precalculus I   Summer 2020
MTWTh 10:00 am – 12:15 pm   Online

INSTRUCTOR: Victor Legge

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PREREQUISITE: A passing grade in Math 114 or equivalent or placement in this class via test.

TEXTBOOK: Larson, Precalculus with Limits, 4th edition

ZOOM: All lectures and tests will be done using zoom. It is important that you have a basic understanding of zoom before you start the class. If you have never used zoom then I highly recommend you set up a zoom session with a friend and get to know the basic tools.

MATERIALS: You are required to have a basic scientific calculator, graph paper, a 3 ring binder, binder paper, pencils and a ruler for this class.   A graphing calculator may be useful but is not necessary.

ATTENDANCE: Classes begin promptly.   Attendance will be taken for each session. Each class is divided into 2 sessions. Attendance is mandatory and you are expected to be on time and to attend all sessions unless you are ill or have a real emergency. YOU ARE ALLOWED TO HAVE 2 UNEXCUSED SESSION ABSENCES AFTER WHICH YOU MAY BE DROPPED FROM THE CLASS. PLEASE NOTE THAT 3 UNEXCUSED TARDIES EQUALS ONE UNEXCUSED ABSENCE. Whether you are dropped or not after exceeding 2 unexcused absences depends on your grade. Students with poor attendance and low grades will be dropped from the class very quickly. If you think your absence or tardy should be excused please tell me, otherwise I shall assume that it is unexcused.
If you have 16 total absences (excused or unexcused) and it is before the W drop deadline you will automatically be dropped from the class.

ADDING: I will not be going over 40 in this class. I will add waitlisted students until I get to 40. If somebody drops the class I will add someone else. The last day I will add will be Wednesday July 1

DROPPING: A student is responsible for dropping him/herself. Please do not assume that I will drop you from the class just because you have stopped attending. By not taking responsibility for dropping or withdrawing yourself, your "no grade" may become a W or an F or your W may become an F. If you have not been attending class for a while and still plan to attend please inform me by email or phone.   Otherwise you may be dropped from the class.   Students who have not dropped and who do not show up for the final exam will receive an F in the course unless there are extreme extenuating circumstances.

TECHNOLOGY:	Please do not use your cell phones during class. Please treat this class like a regular face to face class.
CLASSROOM ENVIRONMENT	Please make sure you mute your microphone during the zoom class session. If you:have a question chat is a good way to get it answered. I will answer when there is a break in the class.
HOMEWORK:	For each homework I will take 5 questions at random, no more than one question in any section. These will be graded from 0 to 2. There will be up to 2 points for completeness. So the most you can get on the homework is12 points..
CLASSWORK:	During sessions there will usually be classwork. You can consult with other students on the classwork and you can ask me questions as well. The classwork should be completed on the night that it is assigned The day following the assignment it will be checked by me if you wish to bring it to be checked. It will be collected 2 days after it was assigned usually. It is worth 10 points when collected. I do not accept late classwork.
MIDTERMS:	There will be two 1 hour midterms. Each midterm is worth a maximum of 200 points. You may bring into each midterm notes on both sides of a 6in x 4in note card. Please note that a photo ID will be required for the first midterm only. It is very important that you take the midterms. Missing a midterm for any reason will mean that you will score the same on the midterm as you do on the final as a percentage
RETAKES AND MAKE-UPS:	There are no retakes or make-ups of midterms of quizzes, under ANY circumstances, EVER!! If you are ill and miss the final then you must show documentation that you were ill and then you will be issued with an incomplete for the class. The final then has to be made up within one year. Besides illness the only acceptable reason for missing the final is a REAL emergency. By a real emergency I mean an unforeseen event that could not have been avoided. Examples include a funeral being scheduled at the same time as the final. Please note that difficult life circumstances do not constitute an emergency.
REVIEWS:	If time allows there will be a review for midterms. This will involve test taking tips as well as a mathematics review. Just because a question is being reviewed does not mean it will be on the test. It is possible but highly unlikely that all questions reviewed on the review will not be on the test.
FINAL EXAM:	There will be a comprehensive final given on the last day of instruction. You cannot take the final early under ANY circumstances. Do not ask. The final is worth a maximum of 600 points. YOU MUST ATTEND THE FINAL. If you know that you cannot attend the final due to a prior commitment then you should not take this class. Missing the final without a valid reason (see the last section – Retakes and Make-ups) will result in an F in the class. You may bring into the final notes on both sides of two 6in x 4in note cards, or notes on 1 side of an 8.5 inch by 11 inch sheet of paper. The final will be given on the last day of instruction Thursday, August 6, It is imperative that you be on time for the finals.

COURSE GRADE: There will be many classworks, 6 homeworks, two midterms, and a comprehensive Final Exam.
Points are assigned as follows:

Best 6 homeworks	72 pts
Classwork	240 pts approx
Two Midterms	400 pts
Final Exam	600 pts
Total points – maximum	1312 pts approx

Letter grades are assigned as follows:

97.0% and above	A+
90.0% to 96.9%	A
88.0% to 89.9%	A-
86.0% to 87.9%	B+
82.0% to 85.9%	B
80.0% to 81.9%	B-
78.0% to 79.9%	C+
70.0% to 77.9%	C
68.0% to 69.9%	D+
55.0% to 67.9%	D
0% to 54.9%	F

ASKING FOR HELP DURING TESTS:

It is my policy not to give you help during a test of any kind. A test is designed to discover what you know without help. Giving one student individual help during a test would be unfair to other students. The only 2 valid questions to ask the instructor during a test is "This question seems unclear to me. Could you please check it?" and "This question seems to be impossible. Could you please check it?" Students for whom English is not their primary language should know that I will not help in any way on tests to explain what words, sentences or any piece of text means. Please note that all students can bring a non-electronic dictionary to a test.
If a student has a question during a test my response will be either "I am sorry but I cannot help you," OR "the question is clear," OR in the case that there is something wrong with the test I will write on the board what needs to be changed on the test. During midterms and sometimes quizzes, friends will not be allowed to sit near each other. Students who I think are looking at somebody else's paper will be moved without warning.

ACADEMIC DISHONESTY:

Looking at someone else's exam, helping another student during an exam, talking to anyone except the lecturer during an exam or using an external source of information for which you were not explicitly given permission may result in my dropping you or an F grade in the course. Sharing materials, such as pencils, erasers, calculators etc. during a test or quiz is NEVER ALLOWED and may be considered as academic dishonesty.

DISABLED STUDENTS: Students who are disabled and qualify for special help by law should take advantage of what is entitled to them. Please see me or tell me EARLY in the class if you are one of these students so that I can do everything in my power to give you the assistance you deserve. In getting your initial accommodations for your disability please think carefully about what you need. Requests for accommodations or requests for changes to your accommodations in the middle or near the end of a quarter will not get an enthusiastic reception from me.

COURSE GRADES: Grades for the course can only be changed in the event of a clerical error. It is not legal for me to change the grade for any other reason.
If you require your grade quickly after the final please send me an email within 3 days of the final and I will give you your grade on the final within 5 days of the final. If you send me an email more than 3 days after the final I will get you your grade within 48 hours.

TEACHER
ABSENCE: Please note that if and when I am absent the general policy is not to provide a substitute teacher to cover for the class unless the absence is over one day. Usually, but this does not always happen, a note is posted on the door of the room informing students that class is cancelled for that day.   In the event of this happening it is the student's responsibility to study the material that was scheduled for that day. It is also recommended that you study the material for next week's class as well, in advance. This is because when I return from the absence I will cover the material that was missed and the current material in one week. In other words I will be going quicker!!!
If I am absent for an extended period of time a substitute will be provided.
Please check your email just before coming to class. If I am going to be absent an email will be sent to you.

CONTRACT: One purpose of this greensheet is to provide you with the guiding principles of the class and another is to make sure that you have answers to any questions that might arise. Please put this sheet in a safe place where you can easily refer to it. Make sure you read all of it before you ask me any questions about the course. It is also a contract between you, the student, and myself, the instructor of record. Make sure you understand its contents fully especially the parts that pertain to testing and the computation of your grade because so long as you remain enrolled in the course you are, like everyone else, implicitly agreeing to abide by these terms.

SCHEDULE FOR MATH 31 – 07, 3:00 – 5:15 pm

After each section is completed there will be time in class to start classwork for that section. If classwork is **n**ot finished in class it should be completed for homework.

KEY:

* INDICATES THAT A MIDTERM IS SCHEDULED FOR THIS DAY.
** MEANS DROP OR WITHDRAW DEADLINES

DAY	CLASS	HOMEWORK

Week 1 of class

1.(6/29)   Green Sheet, 1.1, 1.2   **1.1** (2, 6, 10, 14, 20, 26, 30, 38, 48, 56)
1.2 (6, 10, 18, 20, 22, 32, 40, 52, 66, 78, 86)

2.   1.3, 1.4   **1.3** (8, 16, 26, 32, 44, 52, 58, 64, 72, 78, 86, 94)
1.4 (6, 10, 22, 32, 36, 42, 48, 58, 62, 72, 80, 92)

3.   1.5, 1.6   **1.5**(2, 8, 12, 14, 18, 26, 34, 42, 50, 56, 63, 68, 74, 86)
1.6 (2, 4, 8, 14, 18, 22, 26, 30, 38, 46)
** JULY 1 – LAST DAY FOR DROPS WITH A REFUND**

4.   1.7   **1.7** (2, 4, 12, 16, 28, 32, 38, 42, 48, 60, 64)
JULY 2 – LAST DAY FOR ADDS

Week 2 of class

5.(7/6)   1.8, 1.9   **1.8** (6, 10, 14, 18, 22, 28, 32, 38, 46, 54, 62)
1.9 (2, 4, 10, 14, 20, 24, 28, 34, 37, 40, 48, 56, 68, 84, 92, 104)
** JULY 6 – LAST DAY FOR DROPS WITHOUT W**

6.   2.1   **2.1** (2, 8, 14, 20, 24, 30, 34, 40, 46, 52, 56, 64, 72, 80, 92)

7.   2.2, 2.3   **2.2**(2, 8, 14, 22, 26, 30, 36, 40, 50, 56, 62, 68, 74, 78, 86, 102

Hwk 1 due: 1.1 – 1.7

| 8.* | 2.3 | **2.3** (4, 8, 16, 24, 30, 34, 40, 48, 56, 60, 64, 70, 78, 84, 92) |
| | **Midterm1** | |

Week 3 of class

9.(7/13)	2.4, 2.5	**2.4** (4, 8, 12, 20, 24, 30, 34, 38, 46, 52, 64, 76, 80)
10.	2.5, 2.6	**2.5** (4, 12, 20, 26, 30, 38, 46, 56, 64, 74, 82, 94, 100)
		2.6 (4, 8, 12, 18, 24, 30, 36, 42, 48, 56, 63, 76)
11.	2.7, 3.1	**2.7** (4, 12, 22, 28, 38, 44, 50, 60, 68, 72, 86)
	Hwk 2 due: 1.8 – 2.3	**3.1** (8, 12, 16, 28, 34, 44, 52, 64, 70, 86)
12	3.2	**3.2** (6, 10, 16, 18, 22, 30, 36, 46, 54, 62, 72

Week 4 of class

13.(7/20)	3.3, 3.4	**3.3** (6, 18, 26, 30, 40, 54, 66, 74, 86, 94)
		3.4(4, 16, 26, 30, 38, 46, 54, 66, 78, 82)
14.	3.5	**3.5** (6, 12, 14, 18, 24, 26, 36, 42, 56, 62)
15.	7.1, 7.2	**7.1**(12, 24, 32, 42, 48, 52, 74)
	Hwk 3 due: 2.4 – 3.2	7.**2** (26, 34, 42, 44, 50)
16.	7.3	**7.3** (12, 18, 26, 36, 42, 60, 66, 76)
	Midterm 2	

**FRIDAY JANUARY 31ST– LAST DAY TO REQUEST PASS/NO PASS

Week 5 of class
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17. (7/27)	7.5, 9.1	7.**5**(8, 10, 18, 29, 34, 38, 48, 60, 76)
		9.1(10, 14, 26, 30, 44, 50, 56, 70, 82, 96, 104, 112)
18.	9.2	**9.2** (8, 20, 29, 36, 43, 50, 58, 64, 72, 86, 94, 102)
19.	9.3, 10.1	**9.3** (12, 21, 30, 42, 46, 56, 68, 78, 84, 98, 102)
	Hwk 4 due: 3.3 – 3.5,	**10.1** (2, 8, 18, 22, 24, 36, 44, 56, 62, 78, 84)
	7.1 – 7.3	

| 20. | 10.2 | **10.2** (2, 8, 12, 26, 34, 42, 58, 60, 76, 84) |

Week 6 of class

21.(8/3)	10.3	**10.3** (4, 10, 16, 22, 34, 40, 42, 48, 54, 62)
22.	10.4	**10.4** (4, 8, 12, 28, 32, 38, 46, 52, 60)
23.	Review **Hwk 5 due**: 7.5, 9.1 – 9.3, 10.1, 10.2	Review for final
24.	Final **Hwk 6 due:** 10.3, 10.4	

Student Learning Outcome(s):

* Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
* Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.