

Math 31.15 Precalculus I
MTWThF 10:30 am – 11:20 am

Fall 2020
Online

Please note that there will be a lecture, only, on Friday which will be recorded. This Friday session is optional.

OFFICE HOURS: 11:20 am – 11:40 am online

INSTRUCTOR: Victor Legge

CONTACT INFO: victorlegge@yahoo.com leggevictor@fhda.edu

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

TEXTBOOK: Larson, Precalculus with Limits, 4th edition

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.

ATTENDANCE: Class sessions begin promptly. Attendance will be taken for each session. 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: The last day I add will be Tuesday September 29th. I will start adding the first day. I will keep a waitlist for every day. Students will be moved to the bottom of the waitlist if they are late, do not attend class for any reason (this includes day one) or miss assignments

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.

- 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. It is due in Canvas the next day right before class. The day following the assignment it will be checked by me if you wish.
- QUIZZES:** There will be a quiz most Thursdays. The quiz will be on several questions selected from the homework plus one from the classwork. Usually the quiz takes 25 minutes. Each quiz will be worth 40 points.
There are 8 quizzes but only the best 6 will count towards your grade.
- MIDTERMS:** There will be three 1 hour midterms. Each midterm is worth a maximum of 200 points. Midterms are open book. Please note that a photo ID will be required to be put in Canvas before the first midterm.
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 unless midterm 1 is the missed midterm (see below). If you do better on the final than you do on any of the midterms then the percent score for the final will replace the percent score for your lowest midterm. If midterm 1 is missed or it is the lowest midterm then the percent score for the final plus 5% will replace the midterm 1 score.
- RETAKES AND MAKE-UPS:** There are no retakes or make-ups of midterms or 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.
The final will be given on the last day of instruction Thursday December 10th, 7:00 am to 9:00 am. It is imperative that you be on time for the finals.

COURSE GRADE: There will be 8 quizzes, three midterms, and a comprehensive Final Exam. Points are assigned as follows:

Best 6 quizzes	240 pts
Three Midterms	600 pts
Final Exam	600 pts
Total points – maximum	1440 pts approx

Letter grades are assigned as follows:

90.0% and over	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.

ACADEMIC

DISHONESTY:

Everybody needs to take the quizzes, midterms and final at the same time. Your video cameras must be turned on the entire time. If you have a child you need to talk to during a test please let me know. Otherwise you should not be contacting any other person during a test. Please be aware that if I find two students with the same wrong answers multiple times I will judge that both students have cheated and I will inform the dean.

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 In the event of my absence 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!!!

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

KEY:

* INDICATES THAT A MIDTERM OR QUIZ IS SCHEDULED FOR THIS DAY.

** MEANS DROP OR WITHDRAW DEADLINES

DAY	CLASS	HOMEWORK
Week 1 of class		
1.(9/21)	Green Sheet	
2	1.1	1.1 (2, 6, 10, 14, 20, 26, 30, 38, 48, 56)
3.	1.2	1.2 (6, 10, 18, 20, 22, 32, 40, 52, 66, 78, 86)
4.	1.3, 1.4	1.3 (8, 16, 26, 32, 44, 52, 58, 64, 72, 78, 86, 94)
5.	1.4, 1.5	1.4 (6, 10, 22, 32, 36, 42, 48, 58, 62, 72, 80, 92)
Week 2 of class		
6.(9/28)	1.5	1.5 (2, 8, 12, 14, 18, 26, 34, 42, 50, 56, 63, 68, 74, 86)
7.	1.6	
8.	1.6, 1.7	1.6 (2, 4, 8, 14, 18, 22, 26, 30, 38, 46)
9.*	1.7	
	Quiz 1 (1.1 – 1.4)	
10.	1.7	1.7 (2, 4, 12, 16, 28, 32, 38, 42, 48, 60, 64)

****SATURDAY OCTOBER 3RD – LAST DAY TO ADD CLASSES**

****SUNDAY OCTOBER 4TH - LAST DAY TO DROP WITH A REFUND AND NO W.**

Week 3 of class

11.(10/5)	1.8	
12.	1.8, 1.9	1.8 (6, 10, 14, 18, 22, 28, 32, 38, 46, 54, 62)
13.	1.9	1.9 (2, 4, 10, 14, 20, 24, 28, 34, 37, 40, 48, 56, 68, 84, 92)
14 *	MIDTERM 1 (1.1 – 1.7)	
15.	2.1	2.1 (2, 8, 14, 20, 24, 30, 34, 40, 46, 52, 56, 64, 72, 80, 92)

Week 4 of class

16.(10/12)	2.2	2.2 (2, 8, 14, 22, 26, 30, 36, 40, 50, 56, 62, 68, 74, 78, 86, 102)
17.	2.3	
18.	2.3, 2.4	2.3 (4, 8, 16, 24, 30, 34, 40, 48, 56, 60, 64, 70, 78, 84, 92)
19. *	2.4	2.4 (4, 8, 12, 20, 24, 30, 34, 38, 46, 52, 64, 76, 80)
	Quiz 2 (1.8 - 2.1)	
20.	2.5	

****FRIDAY OCTOBER 16TH – LAST DAY TO REQUEST PASS/NO PASS**

Week 5 of class

21.(10/19)	2.5, 2.6	2.5 (4, 12, 20, 26, 30, 38, 46, 56, 64, 74, 82, 94, 100)
22.	2.6	2.6 (4, 8, 12, 18, 24, 30, 36, 42, 48, 56, 63, 76)
23.	2.7	
24.*	2.7, 3.1	2.7 (4, 12, 22, 28, 38, 44, 50, 60, 68, 72, 86)
	Quiz 3 (2.2 - 2.4)	
25.	3.1	

Week 6 of class

26.(10/26)	3.1, 3.2	3.1 (8, 12, 16, 28, 34, 44, 52, 64, 70, 86)
27.	3.2	3.2 (6, 10, 16, 18, 22, 30, 36, 46, 54, 62, 72)
28.	3.3	3.3 (6, 18, 26, 30, 40, 54, 66, 74, 86, 94)
29.*	MIDTERM 2 (1.8 - 2.7)	
30.	3.4	

Week 7 of class

31.(11/2)	3.4, 3.5	3.4 (4, 16, 26, 30, 38, 46, 54, 66, 78, 82)
32.	3.5	3.5 (6, 12, 14, 18, 24, 26, 36, 42, 56, 62)
33.	7.1	7.1 (12, 24, 32, 42, 48, 52, 74)
34.*	7.2	7.2 (26, 34, 42, 44, 50)
	Quiz 5 (3.1 -3.3)	
35.	7.3	

Week 8 of class

36.(11/9)	7.3	7.3 (12, 18, 26, 36, 42, 60, 66, 76)
37.	7.5	
38.	Veterans Day	No Class
39.*	7.5, 9.1 Quiz 6 (3.4, 3.5, 7.1, 7.2)	7.5 (8, 10, 18, 29, 34, 38, 48, 60, 76)
40.	9.1	9.1 (10, 14, 26, 30, 44, 50, 56, 70, 82, 96, 104, 112)

****FRIDAY NOVEMBER 13TH – LAST DAY TO DROP CLASSES WITH A W**

Week 9 of class

41.(11/16) 9.2 **9.2** (8, 20, 29, 36, 43, 50, 58, 64, 72, 86, 94, 102)

42. 9.3

43. 9.3, 10.1 **9.3** (12, 21, 30, 42, 46, 56, 68, 78, 84, 98, 102)

44.* **MIDTERM 2 (3.1 - 3.5, 7.1 - 7.3, 7.5, 9.1)**

45. 10.1 **10.1** (2, 8, 18, 22, 24, 36, 44, 56, 62, 78, 84)

Week 10 of class

46.(11/23) 10.2

47. 10.2 **10.2** (2, 8, 12, 26, 34, 42, 58, 60, 76, 84)

48.* 10.3

Quiz 7 (9.2, 9.3, 10.1)

49. **Thanksgiving** **No Class**

50. **Thanksgiving** **No Class**

Week 11 of class

51.(11/30) 10.3 **10.3** (4, 10, 16, 22, 34, 40, 42, 48, 54, 62)

52. 10.4

****Last day to file for fall degree or certificate**

53.* 10.4 **10.4** (4, 8, 12, 28, 32, 38, 46, 52, 60)

Quiz 8 (10.2)

54. Review for Final

55. Review for Final

Week 12 of class

56.(12/10) * Final (9:15 am to 11:15 am) (Covers everything in course but with more emphasis on 7.5, 9.1 - 9.3, 10.1 - 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.