

MATH-114-17 MTWThF: 12:30pm-1:20pm in E32

INSTRUCTOR: Dr. Iaroslav Kryliouk **OFFICE:** S76C

PHONE: (408)-864-8865

E-MAIL: krylioukiaroslav@fhda.edu

OFFICE HOURS: Daily, 9:45am-10:15am in S76C; daily, 1:30pm-2:00pm, except Friday, in S76C.

Tutorial Center: S43

Student Learning Outcomes for the course:

Outcome 1: Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.

Outcome 2: Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete models in a logical manner from four points of view---visual, formulaic, numerical, and written.

Course Description: Application of exponential and logarithmic functions, rational functions, and sequences and series to problems. Emphasis on the development of models of real life applications and interpretation of their characteristics.

Text: Robert Blitzer, “*Intermediate Algebra* for college students”, 7th edition, Pearson, 2016.

Related Materials: pencils, ruler, eraser, stapler, and pencil sharpener. **Bring your textbook, notes, and all related material every day!!!**

A graphing calculator TI-83+, or TI-84+, or TI-84 is recommended. For demonstration purposes one of these calculators will be used in the class. If you have another calculator, which you know how to use, you may use it.

Pre-requisite: Qualifying score on the Math Placement Test within the last calendar year; or MATH 212 with a grade of C or better.

Class rules: **You are expected to attend all classes on time.** If you miss 3 class meetings you may be dropped from the class. (No walking in and out, please). Private conversations during class are not permitted. Cell phones and pagers should be turned off. Cheating is not tolerated. **Please respect other students’ right to learn!**

Homework: Reading each section before class helps you understand the lecture. Your written homework (HW) for each class will be assigned problems in the section covered in class and is due at the beginning of the next class period. You must **show your work** to get credit. Your HW should be written thoroughly with all steps shown, in well organized manner using pencil #2 and lined 8.5x11” paper. About 80% of your homework assignment will be collected and graded on completeness.

Quizzes: There will be about 15 quizzes. No make up for missed quizzes. The lowest 2 scores will be dropped.

Tests: There will be three (3) tests worth 100 points each. Material from any lecture, homework assignment, or quiz can appear as a test question.

The tentative schedule (subject to revision) of tests and the material covered is the following:

Test 1: Jan 31, Sec. 6.1-6.8

Test 2: Feb 27, Sec. 7.1-7.6, 4.2, 4.3, 10.1

Test 3: March 17, Sec. 9.1-9.6

Makeup Tests: There are no make-up tests, *under any circumstances*. If a test is missed, the percentage on the final exam will replace the score of the missing exam. If a second exam is missed, the grade will be a zero.

The lowest score of 3 regular tests will be replaced by a percentage on the final exam, provided the latter is higher.

Final Exam: There will be a mandatory comprehensive two-hour final exam worth 150 points, and this exam *must* be taken during the scheduled exam time on Wednesday, March 29, 11:30am-1:30pm, in E32.

Attendance: You are expected to attend all classes on time. If you miss 3 class meetings, you may be dropped from the class. However this is your responsibility to drop the course officially if you decide not to attend any longer.

Final Grade: Your final grade will be determined based on the following:

Grading Scale:

Quizzes	150 pts	X \geq 731 (97.5%)=A+	X \geq 543 (72.5%)=C+
Test 1	100 pts	X \geq 693 (92.5%)=A	X \geq 487 (65%)=C
Test 2	100 pts	X \geq 675 (90%)=A-	X \geq 450 (60%)=D+
Test 3	100 pts	X \geq 656 (87.5%)=B+	X \geq 412 (55%)=D
HW	150 pts	X \geq 618 (82.5%)=B	X \geq 375 (50%)=D-
		X \geq 600 (80%)=B-	X < 375 (50%)=F
Final Exam	150 pts		
Total Points	X=750 pts		

Missing one of the major tests is made up through added weight on the comprehensive final exam. Missing additional test results in a score of zero.

***** NO OTHER MAKE-UPS WILL BE GIVEN*****

A grade of “T” (incomplete) will be given at the instructor’s discretion, if:

- i) A student has successfully completed at least 75% of the course work, and
- ii) has shown acceptable evidence which justifies his/her incomplete work.

Important Dates:

Monday, Jan 9-Winter quarter classes begin

Saturday, Jan 21-Last day to add quarter-length classes. Add date is enforced.

Sunday, Jan 22-Last day to drop for a full refund or credit (quarter-length classes).

Drop date is enforced.

Monday, Jan 16-Observance of Martin Luther King’s Birthday

Tuesday, Jan 31-Test 1 (Sec. 6.1-6.8)

Friday, Feb 3-Last day to request P/NP grade

Friday-Monday, Feb 17-20: Holiday: Presidents’ Day Weekend (no classes)

Monday, Feb 27-Test 2 (Sec. 7.1-7.6, 4.2, 4.3, 10.1)

Friday, March 3-Last day to drop with a “W” (withdraw date is enforced)

Friday, March 17-Test 3 (Sec. 9.1-9.6)

Friday, Mar 24- Last day of classes

Wednesday, March 29 -Final exam 11:30am-1:30pm, in E32

*** (N.B.: It is the student’s responsibility to complete the withdrawal process. Student who stop attending class are NOT automatically dropped. A student who stops attending class and does not complete the withdrawal process receives the grade of “F”)

Academic Misconduct: Academic dishonesty will not be tolerated. If a student is found cheating on an exam, plagiarizing on writing assignments, or violating other codes of academic integrity, he or she will receive a failing grade for the course and may be reported to the college for an appropriate action. See section on Academic integrity in your current schedule of classes catalog.

If you are student with a disability: If you fill that you may need accommodation based on impact of a disability, you should contact me privately to discuss your specific needs. Also, please contact Disability Support Services (864-8753) or Educational Diagnostic Center (864-8839) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

TENTATIVE CALENDAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
JAN	9 1.6	10 1.6	11 6.1	12 6.2	13 6.2 <i>Quiz 1</i>
JAN	16 Observance of MLK's birthday	17 6.3	18 6.3 <i>Quiz 2</i>	19 6.4	20 6.5 Saturday, Jan 21, Last day to add. Sunday, Jan 22, Last day to drop for a full refund or credit (quarter-length classes).
JAN	23 6.6 <i>Quiz 3</i>	24 6.6	25 6.7	26 6.8 <i>Quiz 4</i>	27 6.8
JAN	30 <i>Review for Test 1</i>	31 TEST 1	1 7.1	2 7.2	3 7.3 Last day to request Pass/No Pass grade
FEB	6 <i>Quiz 5</i>	7 7.4	8 7.4 <i>Quiz 6</i>	9 7.5	10 7.6 <i>Quiz 7</i>
FEB	13 7.6	14 4.2	15 4.2 <i>Quiz 8</i>	16 4.3	17 17-20 Presidents' Day Weekend (no classes)
FEB	20	21 4.3 <i>Quiz 9</i>	22 10.1	23 10.1	24 <i>Review for Test 2</i>
FEB / MAR	27 TEST 2	28 9.1	1 9.2 <i>Quiz 10</i>	2 9.2	3 9.3 <i>Quiz 11</i> Last day to drop w/"W"
MAR	6 9.3	7 9.4 <i>Quiz 12</i>	8 9.4	9 9.5	10 9.5 <i>Quiz 13</i>
MAR	13 9.6	14 9.6 <i>Quiz 14</i>	15 Review	16 Review	17 TEST 3
MAR	20 11.1	21 11.1	22 11.2 <i>Quiz 15</i>	23 11.2	24 11.3
MAR	27	28	29 Final Exam 11:30-1:30pm	30	31

Home Assignments

- 1.6 ## 1-46 (every other even),125,126
6.1 ## 4,7,9,17-26,28,30,32,42,4,48,54,58,66,109-112
6.2 ## 2-28(every other even),30,32,36,38,42,46,48,54,56,60
6.3 ## 1,4,8,10,14,18,24,26,28,30,32,51
6.4 ## 2,4,12,14,18,22,34,38,55-58
6.5 ## 2,4,6,12,20,24,28,30
6.6 ## 2-38(every other even),62
6.7 ## 1-14(odd),19,25,31,39,43,51
6.8 ## 2,4,8,22,24,25,29,34,35,36,37,39
- 7.1 ## 1-10(even),21,25,27,31,35,48,52,60,64,69,72,101,103,109
7.2 ## 1-8,11,17,19,21,24,29,36,39,41,48,59,64,69,73,79,82,91,99,103,105,127,129
7.3 ## 2,7,9,13,17,24,29,30,47,53,67,69,73,95,96
7.4 ## 1,3,7,9,11,17,23,25,31,35,39,46,50,55,57
7.5 ## 1,5,9,12,13,17,23,28,29,40,44,49,54,75,76,79,88,106,113,117
7.6 ## 1-38(every other odd), 51-54,59,60
- 4.2 ## 1,2,3,7,9,15,19,25-32(even),33,35,40,42,43,49,55,79,80,81,83
4.3 ## 1,7,13,17,19,21,26,29,42,46,47,49,91,93,97
- 10.1 ## 2,6,12,20,24,33,35,42,46,49,52,62,68
- 9.1 ## 1,7,11-16,17,22,25,31,35,37,39,41,53,54,55,59,63
9.2 ## 1,5,7,9,13,15,18,19,26,28,30,31,39,41,49,71,75
9.3 ## 1,3,7,12,13,17,21-42,43,45,47,50,53-66,68,70,91,93
9.4 ## 3,8,13,20,25,26,28,31,37,39,43,44,47,52,56,71,93
9.5 ## 3,8,13,16,20,21,24,25,28,35,43,49,53,67,70,88,103-106,113,115
9.6 ## 1-5,12,13,15,17,19,23,26,29
- 11.1 ## 1,4,7,9,13,18,21,25,27,32,35,37,39,41,42,61
11.2 ## 1,4,7,11,17,18,23,26,27,35,38,39,40,41,43,45,65,69,89
11.3 ## 2,4,11,12,14,16,20,25,27,33,36,40,44,45,49,52,53,56,57,78,85,91