MATH 114 MPS FALL 2017

Instructor: Dr. Zack Judson

MTWThF 9:30-10:20 E36b Office Hours:

Email: judsonzack@deanza.edu

(Note: I will not answer Math questions over email)

Prerequisite: Math 212 or an equivalent course

1) INTERMEDIATE ALGEBRA, 7th Edition BY BLITZER Text:

2) Student Access Code to MyMathLab (Required)

Objectives:

Student Learning 1) Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately

> 2) Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete models in a logical manner from four points of view – visual, formula,

numerical, and written.

Midterm Exams: Four exams will be given with no make-ups. If an exam is missed under extreme

circumstances and for a very valid reason, an equivalent of the final score will replace the

missing exam score.

Homework: Students will complete Homework assignments on MyMathLab. No late work will be accepted.

> MyMathLab Course ID: judon53482

Groupwork: Students will often work in groups. Sometimes this work may be at the board. This work

> will largely be graded based on effort. There will be no make-up group work allowed. If you are going to miss class for any reason you must inform me by email. Be sure that your email contains the date of the absence and your reason for missing class. Emails should be sent prior to the date missed. Due to some circumstances this may not be

possible and the email must then be sent at the earliest opportunity.

We will begin most classes with a quiz. The quiz will generally cover material from the day Quizzes:

> before. The intention of these guizzes is to help prepare you for the exams. To reduce the stress of these quizzes, they will be community quizzes. You will be allowed to work with any and all students in the class to complete the quiz correctly. As long as everyone in the class works on these community quizzes in good faith, no one will receive a grade lower

than the class average on these quizzes.

Final Exam: On the last Wednesday of class there will be an exam covering all of the applications

covered during this course. This score will be combined with the two-hour comprehensive

exam that will be given during the final exam time.

Grade:

Homework 10% Midterms (5) 40% Groupwork 10% Final 30%

Grading Scale: A: 93-100 B+:87-89C+: 77-79 D: 60-69 F: 0-59

> A-: 90-92 B:83-86 C: 70-76

> > B-: 80-82

Accommodations: Those of you who need additional accommodations due to disability, campus related activities, or some other reason, please meet with me during the first two weeks of class to discuss your options.

Tentative Schedule Math 114 Fall Quarter 2017

	Monday	Tuesday	Wednesday	Thursday	Friday
	Techniques of	Strategies for	Rational	Variation	Simplifying
September	Factoring	Factoring	Functions		Rationals
	25	26	27 Ch. 6.1	28 Ch. 6.8	29 Ch. 6.1
	Common	Adding Rationals	Complex	Rational	Rational Models
October	Denominators		Rationals	Equations	
	2 Ch. 6.2	3 Ch. 6.2	4 Ch. 6.3	5 Ch. 6.6	6 Ch. 6.7
	More Rational	Review	Midterm 1	Absolute Value	Absolute Value
October	Models			Equations	Inequalities
	9 Ch. 6.7	10	11	12 Ch. 4.3	13 Ch. 4.3
	Radicals and	Simplifying	Arithmetic with	Radical	Radical Models
October	Roots.	Radicals	Radicals	Equations	
	16 Ch. 7.1-2	17 Ch. 7.3	18 Ch. 7.4-5	19 Ch. 7.6	20 Ch. 7.6
	Circles and the	Review	Midterm 2	Graphing	Exponential
October	distance formula			Exponentials	Functions
	23	24	25	26	27
October/	Growth and	Inverse	Logarithmic	Translating	Expanding
November	Decay I	Functions	Functions	Logarithms	Logarithms
	30	31	1 Ch. 9.3	2 Ch. 9.3	3 Ch. 9.4
November	Condensing	Logarithmic	Exponential	Growth and	Veteran's Day
	Logarithms	Equations	Equations	Decay II	
	6 Ch. 9.4	7 Ch. 9.5	8 Ch. 9.5	9	10
	Growth and	Review	Midterm 3	Scientific	Sequences
November	Decay III			Notation	
	13	14	15	16	17 Ch. 11.1
_	Series	Arithmetic	Arithmetic Series	Thanksgiving	Break
November		Sequences			
	20 Ch. 11.1	21 Ch. 11.2	22 Ch. 11.2	23	24
November/	Geometric	Geometric Series	Mixed Series and	Review	Midterm 4
December	Sequences		Sequences		
	27 Ch. 11.3	28 Ch. 11.3	29	30	1
D 1	Review of	Review of	Application	Review for Final	Exit Survey
December	Applications I	Applications II	Final		
	4	5	6	7	8
D 1				Final	
December	11	12	12	9:15-11:15	1.5
	11	12	13	14	15

Important Dates: October 7: Last day to add a class.

October 8: Last day to drop with no grade on record. October 20: Last day to request Pass/No Pass grade.

November 17: Last day to drop with a "W".