

Syllabus for College Algebra – Klamath Trinity Instructional Site

Semester & Year	Fall 2017	
Course ID and Section #	Math 30 K3862	
Instructor's Name	Brad Morin	
Day/Time	TTHF 8:30-9:45 am	
Location	HTEC2	
Number of Credits/Units	4	
Contact Information	<i>Office location</i>	
	<i>Office hours</i>	
	<i>Phone number</i>	
	<i>Email address</i>	Brad-morin@redwoods.edu
Textbook Information	<i>Title & Edition</i>	Algebra & Trigonometry, 7 th Ed
	<i>Author</i>	Michael Sullivan
	<i>ISBN</i>	131430734

Course Description

College level course in algebra for majors in science, technology, engineering, and mathematics: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry.

1. Analyze and investigate functions and equations both graphically and algebraically to include rational, linear, polynomial, radical, absolute value, exponential, and logarithmic.
2. Solve equations, systems of equations, and inequalities containing rational, linear, polynomial, radical, absolute value, exponential, and logarithmic relations.
3. Apply techniques for finding zeros of polynomials and roots of equations.
4. Apply functions and other algebraic techniques to model real world STEM applications.
5. Define a sequence as a function of the natural numbers and apply appropriate formulas to find sums of finite and infinite series.

Special Accommodations

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact [Disabled Students Programs and Services](#). Students may make requests for alternative media by contacting DSPS at 530-625-4821 Ext 23.

Academic Support

Academic support is available at [Counseling and Advising](#) and includes academic advising and educational planning, [Academic Support Center](#) for tutoring and proctored tests, and [Extended Opportunity Programs & Services](#), for eligible students, with advising, assistance, tutoring, and more. Contact the CR KT Office for specific information at (530) 625-4821.

Academic Honesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the

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student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services>. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Disruptive Classroom Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; physically or verbally abusive behavior. In such cases, where the instructor determines that a student has disrupted the educational process, a disruptive student may be temporarily removed from class. In addition, he or she may be reported the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services>.

Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Emergency Procedures for the Klamath Trinity Instructional Site:

Please review the responsibilities of, and procedures used by, the College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to communicate to faculty, staff, students and the general public during an emergency. It is the responsibility of College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to protect life and property from the effects of emergency situations within its own jurisdiction.

1. In the event of an emergency, communication shall be the responsibility of the district employees on scene.
 - a. Dial 911, to notify local agency support such as law enforcement or fire services.
 - b. If safe to do so, notify key administrators, departments, and personnel.
 - c. If safe to do so, personnel shall relay threat information, warnings, to ensure the school community is notified.
 - d. Contact Jolene Gates 530-625-4821 to notify of situation.
 - e. Contact Hoopa Tribal Education Administration office 530-625-4413
 - f. Notify Public Safety 707-476-4111.

2. In the event of an emergency, the responsible district employee on scene will:
 - a. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
 - b. Lock all doors and turn off lights if in lockdown due to an active shooter or similar emergency.
 - c. Close all window curtains.
 - d. Get all inside to safe location Kitchen area is best internal location.
 - e. If a police officer or higher official arrives, they will assume command..
 - f. Wait until notice of all is clear before unlocking doors.

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- g. If safe to do so, move to the nearest evacuation point outside building (Pooky's Park), directly behind the Hoopa Tribal Education Building.
- h. Do not leave site, unless it has been deemed safe by the person in command.

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

Instructor Availability:

Email: brad-morin@redwoods.edu
Office Hours: (held in the math lab)
Tuesday 1:00 - 2:00
Thursday 12:30 - 1:30
My Math Lab Hours
Tuesday 2:00 - 3:00
Thursday 1:30 - 3:00
Friday 1:00 - 2:30

Textbook: Algebra & Trigonometry, 7th Edition by Sullivan (not 8th or 9th edition).

7th Edition copies can be checked out from the library for the term (there are 42 available).
Four 7th Edition copies are available for two-hour checkout..
Check the following Amazon links if you want a reasonable purchase price for the 7th Edition.
Hardcover 7th Edition

Math Lab: I recommend spending time in the Mathlab <https://www.redwoods.edu/math/Lab>.

MTWTh 10:00 am - 5:50 pm
Friday 10:00 am - 2:30 pm

Course Equipment: TI-84 Calculator. The newest model is TI-84 Plus CE, available for rental.

Bring text, calculator, and homework to class.

Basis for Grade:

25% Daily Quizzes on homework given at the end of class
50% Semester Exams.
25% Final Exam

Quizzes:

Daily quizzes will be either directly from the homework, or similar to a homework problem.
Homework is not turned in. You use your homework in taking the quiz.

Exams:

Exam questions will be directly from, or else quite similar to, the homework.

Makeup Exams and Quizzes:

Makeup work will not provide a shortcut to getting an acceptable grade.
Makeup work will be demanding — an option to be used as a last resort.

Grading:

A 93% - 100% A- 90% - 92%
B+ 87% - 89% B 83% - 86% B- 80% - 82%
C+ 77% - 79% C 70% - 76%
D 60% - 69%

Learning Resources:

Math Lab <https://www.redwoods.edu/math/Lab> (may be dated, but helpful information)
Disabled Student Programs and Services
Academic Support Center
The L.I.G.H.T. Center
GUID 145

Placement: Make certain this course is appropriate for your skills and experience.

Modifications and additions to this syllabus will be necessary.

The dates given below are the days the sections are covered in class. The **suggested homework** could be started on that day in preparation for the quiz the next day of class. The quiz is one point, all or nothing. During the quiz, you will usually need access to your completed homework.

Date	Sec	Always bring completed problems to class.	*Asterisk Problems are potential extra credit questions on an exam.
Aug	29	R.2	37, 47, 57, 74, 75, 76, 77, 83, 87, 92, 93, 101, 119, 125, <u>126</u> , 127
		R.3	9, 11, 17, 19, 25, 27, 29, 39 — *33, *34, *35, *36, *42
		R.4	29, 39, 41, 45, 47, 55, 64, 65, 69, 75, 79, 85 — *90, *91
	31	R.5	5, 11, 15, 21, 25, 33, 36, 39, 45, 51, 57, 63, 66, 77, 87, 93, 105 — *121, *125
Sep	1	R.6	7, 9, 15, 23, 27, 29, 33, 36, 41
		R.7	5, 17, 25, 43, 47, 63, 73, 81 — *65, *75, *85
		R.8	5, 9, 13, 15, 17, 25, 27, 31, 45, 53, 59, 63, 67 — *69, *75, *87
	5	1.1	9, 11, 15, 23, 25, 31, 33, 39, 41, 45, 49, 55, 59, 69, 71, 77, 79 — *73, *81
		1.2	9, 11, 13, 21, 23, 31, 33, 35, 39, 41, 43, 51, 61, 65, 81, 87, 89 — *83, *97, *115, *118
	7	1.2	9, 11, 13, 21, 23, 31, 33, 35, 39, 41, 43, 51, 61, 65, 81, 87, 89 — *83, *97, *115, *118
		1.3	4-8 all, 13, 17, 19, 23, 25, 27, 29, 33, 35, 41, 43, 45, 49, 51, 53, 57, 59, 67, 69, 73, 81, 83 — *87, *88
	8	1.4	7, 11, 15, 19, 23, 27, 29, 31, 35, 37, 39, 43, 47, 51, 55, 61, 67, 71, 77, 79, 81 — *87, *89, *91, *93
	Exam 1	Review Chapter and Section 1.1, 1.2, 1.3	
12	1.5	6, 7, 8, 9, 11, 23, 31, 39, 45, 49, 53, 55, 59, 63, 67, 71, 75, 79, 83, 87, 89, 91 — *95, *99, *115, *117, *119	
	1.6	9-29 EOO (E very O ther O dd)	
	14	1.6	31-53 odds, 57 — *61, *63, *73, *75, *81
		1.7	7-37 odds — *39, *41, *43, *45
15	2.1	5, 6, 8, 9, 10, 11, 13, 15, 19, 29, 31, 35, 39, 41 — *36, *37, *49	
	2.2	4, 5, 7, 15, 17, 20	
19	2.2	27, 37, 39 — *46, *57	
	2.3	4, 5, 6, 7, 9, 11, 15, 18, 20, 23-33 odds, <u>36-39</u> all, 41-44 all, <u>45</u> , <u>47</u> — *49	
	21	2.4	1-6, 9-73 EOO
22	2.5	2-4 all, 5-39 odd, <u>43</u> — *41, *46, *47, *50	
		Chapter R Review Exercises pages 79-82 exercises 41, 45, 55, 61, 75, 81, 93	
26		Chapter 1 Review Exercises pages 152-154	
		exercises 3, 7, 13, 17, 23, 27, 29, 41, 49, 53, 55, 63, 69, 77, 83, 99, 101, 105 — *31, *59, *73, *89	
		Chapter 2 Review Exercises pages 213-215: 9, 11, *13, 15, 17, 21, 25, 29, 33 — *44, *45	
		Exam 2	
28	2.6		
	2.7	3-23 odd, 24, 25, 27, 29 — *30, *36	
	3.1	5-14 all, 15, 19-61 odd, 65, 67, 73, 75, 77 — *79, *84	
29	3.2	4-8 all, 9-25 odd, 29, 31, <u>32</u> , <u>33</u> , <u>34</u> , <u>36</u> , 39 — *33, *41	
	3.2	4-8 all, 9-25 odd, 29, 31, <u>32</u> , <u>33</u> , <u>34</u> , <u>36</u> , 39 — *33, *41	
	3.3	7-10 all, 11-23 odd, 27, 29, 47, 49, 45 — *33, *67	
Oct	3	3.4	6-16, 22, 25, 26, 29, 33, 37, 41, <u>43</u> — *53, *65
		3.5	7-18 all, 19-25 odds, 27, 29, 35, 39, 41, 43, 47, 53, 57, 65, 73, 75, 77
	5	3.5	7-18 all, 19-25 odds, 27, 29, 35, 39, 41, 43, 47, 53, 57, 65, 73, 75, 77
		3.6	9, 11, 13, 15, 19, 23 — *27, *28, *29
6		Chapter 3 Review Exercises pages 286-288: 9, 11, 13, 15, 21, 23, 25, 28, 29, 31, 35, 37, 45, 59, 61, 65, 69, 73	
	Exam 3		
10	4.1	5-18 all, 19, 21, 27, 29, 35, 39, 43, 47, 50, 53, 55, 61, 63 — *67, *79, *83, *105	
12	4.2	5-10 all, 11, 15, 17, 21, 23, 29, 37, 43, 45, 47, 49, 51, 59, 69, 71, 73, 81-84 all — *99, *101	
	4.3	5-10 all, 11, 13, 17, 21, 23, 25, 27, 29, 31, 41, 43, 45, 49, 51 — *58	
13	4.3	5-10 all, 11, 13, 17, 21, 23, 25, 27, 29, 31, 41, 43, 45, 49, 51 — *58	
	4.4	3-6, 7, 13, 15, <u>21</u> , 25, 33, 37, 41, 45, <u>47</u> , 55 — *58, *59	

	17	4.5	3, 5, 9, 13, 17, 21, 23, 27, 29, 31, 35, 39, 43, 49 — *55,*56,*57,*63
	19	4.6	5-10, 11, 15, 17, 19, 21, 25, 29, 33, 41, 45, 51, 53, 55, 57, 61, 65, 81, 85, 89, 101 — *103,*105,*107
	20	4.7	3, 4, 6, 7, 11, 15, 17, 21, 23, 27, 31, 33 — *37,*44
			Chapter 4 Review Exercises pages 384-397: 11, 17, 31, 33, 49, 55, 57, 65, 69, 79, 83, 91, 97, 99
			Exam 4
	24	5.1	4-6,7, 9, 15,19,23,31,33,39,43,47,51,53,57,59 — *67
	26	5.2	4-7,13,17,19,21,29,31,35,41,49,55 — *61,*67
	27	5.3	6-10 all 11, 17, 19, 21, 29-32 all, 37, 39, 45, 53-66 all — *67,*69,*79
	31	5.4	9-109 odd
Nov	2	5.5	1-30, 31-41 odd, 51-77 odd, 79-83 odd — *85,*87,*89,*91,*93
	3	5.6	1-57 odd
	7	5.7	3,7,9,11,13,19,21,27,29,33,35,37,38,39
	9	5.8	1,3,7,9,11,17,19
			Chapter 5 Review Exercises pages 484-486: 5, 9, 11, 17, 25, 27, 29, 33, 35, 51, 53,, 65, 71, 73, 79
			Exam 5
	10		CR Holiday — Veterans Day
	14	11.1	3,4,5,7,9,13,19,25,29,39,43,45,59 — *69
		11.2	7,11,17,23,25,27,29,37,47,53,59,69 — *73
	16	11.2	7,11,17,23,25,27,29,37,47,53,59,69 — *73
		11.3	2,3,5-33 odd, 43, 45 — *49-53 all
	17	11.4	1, 2, 4, 5, 6, 7-17 odd, 23, 27, 31, 35, 36, 59 — *65,*67
		11.5	5, 7, 9, 13, 15, 19, 21, 35 — *38,*45
	21	12.1	3-8 all, 11, 13, 17, 21, 23, 25, 29, 33, 37, 43, 45, 55, 57, 61, 65, 67, 69, 73 — *47,*49
		12.2	5, 9, 11, 13, 15, 19, 21, 23, 25, 27, 31, 33, 35, 37, 39, 51, 56
	23		Thanksgiving
	24		CR Holidays
	28	12.2	5, 9, 11, 13, 15, 19, 21, 23, 25, 27, 31, 33, 35, 37, 39, 51, 56
		12.3	9,11,15,19-39odd,41,45,47,49,59,61 — *65,*67
	30	12.5	5-41 odd, 45 — *47
Dec	1	12.4	7,11,17
			Chapter 11 Review from Exam 3
			Chapter 12 Review Exercises pages 979-980: 1-65 odd
			Exam 6
May	5	13.1	1-43 odd
		13.2	3-23 odd, 29-39 odd, 43-59 — *61
	7	13.2	3-23 odd, 29-39 odd, 43-59 — *61
		13.3	
	8		Chapter 13 Review Exercises pages 1014-1015: 1-39 odd
			Review Semester Exams
	12		Final Exam
			Tuesday, 8:30-10:30 AM