Syllabus for College Algebra – Del Norte Education Center

Semester & Year	Fall 2017
Course ID and Section #	Math 30 D3859
Instructor's Name	Brad Morin
Day/Time	TThF 8:30 – 9:45 am
Location	
Number of Credits/Units	4

Contact Information	*Office location*	
	Office hours	
	Phone number	
	Email address	Brad-morin@redwoods.edu
Textbook Information	*Title & Edition*	Algebra & Trigonometry, 7th Ed
	Author	Michael Sullivan
	ISBN	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 707-465-2352.

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.

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

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 Del Norte campus:

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Crescent City campus emergency map is available at (http://www.redwoods.edu/delnorte/Maps-and-Directions; scroll down to the Safety Map). For more information on Public Safety, go to http://redwoods.edu/publicsafety in an emergency that requires an evacuation of the building:

- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building:
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the campus authorities.

    RAVE – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus, you can receive an alert through your personal email, and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to https://www.GetRave.com/login/Redwoods and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with "redwoods.edu."Please contact Public Safety, 707-476-4112, security@redwoods.edu, if you have any questions.

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.

            <u>Hardcover 7th Edition</u>

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

      MTWTh 10:00 am - 5:50 pm

      Friday 10:00 am - 2:30 pm

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

      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, 126, 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	
		R.6	7, 9, 15, 23, 27, 29, 33, 36, 41	
Sep	1	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, 36-39 all, 41-44 all, 45, 47, — *49	
	21	2.4	1-6,9-73 EOO	
		2.5	2-4 all, 5-39 odd, 43 — *41, *46, *47, *50	
	22		Chapter R Review Exercises pages 79-82 exercises 41,45,55,61,75,81,93	
			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		
	26	2.6		
		2.7	3-23 odd, 24,25,27,29 — *30,*36	
	28	3.1	5-14 all, 15,19-61 odd, 65, 67, 73, 75, 77 — *79, *84	
		3.2	4-8 all, 9-25 odd, 29, 31, 32, 33, 34, 36, 39 — *33,*41	
	29	3.2	4-8 all, 9-25 odd, 29, 31, 32, 33, 34, 36, 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, 43, — *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, 21, 25, 33, 37, 41, 45, 47, 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