Syllabus for College Algebra with Support

Course Information

Semester & Year: Spring 2022
Course ID & Section #: MATH-30-V2895 & MATH-30S-V2896
Instructor's name: Erin Wall
Day/Time of required meetings: Mondays and Wednesdays 1:15 – 2:40pm
Location: TechConnectZoom - Zoom
Course units: 5 (4 units for Math 30 & 1 unit for Math 30S)

Instructor Contact Information

Office location or *Online: Online
Office hours: By appointment. Send me a message via Canvas or email me.
Phone number: (707)476-4351 Checking only once a week. Messaging through Canvas is best
Email address: erin-wall@redwoods.edu

Catalog Description Math 30

A course for students studying in science, technology, engineering, and mathematics (STEM) fields and some areas of business. Both Math 30 and Math 25 (Trigonometry), are prerequisites for Math 50A (Differential Calculus). Topics include: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry; arithmetic and geometric sequences and series. Note: Students without experience in Algebra II or Intermediate Algebra are strongly recommended to take Math 30S College Algebra support course concurrently.

Catalog Description Math 30s

A support course for Math 30 College Algebra. Through contextualized examples, collaborative practice, and hands-on activities, students learn skills and explore concepts crucial for success in Math 30 College Algebra. Note: This course is intended for students concurrently enrolled in Math 30, "College Algebra."

Course Student Learning Outcomes Math 30

1. Analyze and investigate functions and equations graphically, algebraically, and verbally.
2. Solve equations, systems of equations, and inequalities.
3. Apply functions and other algebraic techniques to model real-world applications.

Course Student Learning Outcomes Math 30s

1. Engage productively in real-time interactive collaboration (small group and whole group) through conversation and application to explore algebraic concepts.
2. Implement effective learning strategies.

Prerequisites/co-requisites/ recommended preparation

Math 30: Appropriate STEM Math placement, or completion of Intermediate Algebra.

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or Disability Services and Programs for Students (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

If you are taking online classes DSPS will email approved accommodations for distance education classes to your instructor. In the case of face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

Evaluation & Grading Policy

Course Grading Math 30

The material in this course has been organized into a set of seventeen Learning Objectives. Your grade is determined by how well and often you demonstrate mastery of these Learning Objectives listed below. The number of times listed in the parentheses indicates the number of times you need to assess at meets standard or above to achieve mastery of that Learning Objective.

Learning Objectives

L.O.1: I can identify and describe functional relationships (3 times)
L.O.2: I can apply transformations to the graphs and formulas of toolkit (parent) functions to create related functions. (3 times)
L.O.3: I can evaluate, compose, and decompose a composition of functions. (2 times)
L.O.4: I can recognize the relationship between functions and their inverses graphically and algebraically (3 times)
L.O.5: I can analyze and investigate properties of linear functions (2 times)
L.O.6: I can analyze and investigate properties of absolute value functions (2 times)
L.O.7: I can analyze and investigate properties of polynomial functions (2 times)
L.O.8: I can apply techniques for finding zeros of polynomials and roots of equations (2 times)
L.O.9: I can analyze and investigate properties of rational functions (2 times)
L.O.10: I can solve equations and applications of radical functions (1 time)
L.O.11: I can analyze and investigate properties of exponential functions (2 times)
L.O.12: I can analyze and investigate properties of logarithmic functions (2 times)
L.O.13: I can apply functions and other algebraic techniques to model real world STEM applications (3 times)
L.O.14: I can solve systems of linear equations and inequalities (1 time)
L.O.15: I can use formulas to find sums of finite and infinite series (1 time)
L.O.16: I can analyze conics algebraically and graphically (1 time)
L.O.17: I practice mathematical habits of mind (Earn at least 80% of the weekly discussion/activity and online homework points)

Grades will be assigned as follows:
A: 17 of 17 Learning Objectives at Mastery
A-: 16 of 17 Learning Objectives at Mastery
B+: 15 of 17 Learning Objectives at Mastery
B: 14 of 17 Learning Objectives at Mastery
B-: 13 of 17 Learning Objectives at Mastery
C+: 12 of 17 Learning Objectives at Mastery
C: 11 of 17 Learning Objectives at Mastery
D: 10 of 17 Learning Objectives at Mastery
F: Below 10 Learning Objectives at Mastery

Weekly Synthesis, Midterm, and Final
Various Learning Objectives will be assessed every week, through the weekly Synthesis assignments and occasionally through a Weekly Discussion/Activity, except the week of the Midterm and Final. Learning Objectives assessed will be indicate at the bottom of the rubric for each assignment that offers such an opportunity. The Midterm will provide an opportunity to assess on Learning Objectives 1-8 and will be given the 8th week of the semester, which is the week of March 7th – 11th. The Final will provide an opportunity to assess on Learning Objectives 1-16 and will be given the 16th week of the semester, which is the week of May 9th – 13th. With Synthesis assignments, the Midterm, and the Final not about accumulating points, you will notice that Canvas indicates these are worth 0 points.

Synthesis assignments may be submitted up to a week late. They may also be revised and resubmitted once if you score at least a 7/10 on each of that week's online homeworks. For example, if you want to revise and resubmit Synthesis #4 you will need to have earned 7/10 on the Week 4A Homework and 7/10 on the Week 4B Homework. The only exception is for Synthesis #1 where you need to score at least a 7/10 on just the Week 1B Homework. The cut off for revising Synthesis 1-7 is March 11th. The cut off for revising Synthesis 9-15 is May 13th.

Other opportunities to assess or reassess on various Learning Objectives will be given at my discretion.

Weekly Module Discussion/Activities
Your presence and participation in the Weekly Module Discussions/Activities is essential for us to have a supportive learning community, learn & practice mathematical habits of mind, and help you develop a deeper understanding of the material. Occasionally you will see that a Weekly Module Discussion/Activity provides you with an opportunity to demonstrate your understanding of one or more Learning Objectives. There will be 1 in each weekly module. Each will be worth 10 points. 5 points for your initial post and 5 points for completing the required follow-up posts. These cannot be made up nor completed after that week's module closes as folks will have move on to the next week's module.

Online Homework
There will be two weekly online homework assignments (using MyOpenMath linked through Canvas) each week for this class, except the week of the Midterm and Final. Each will be worth 10 points. The first will be due Wednesdays by 1:15pm and the second will be due Sundays by 11:59pm. Here you'll be able to practice and get immediate feedback about where your understanding is at for the mathematical content in each weekly module. It is best to submit these on-time as the material in algebra often builds from week to week. Completing these on-time will also allow you to get the most out of our Math 30S

meetings each week and have you prepared for that week's Synthesis. These may be worked on up until the Midterm (for homework in the first 8 weeks) or the Final (for homework in the last 8 weeks).

Course Grading Scale for Math 30s

The lab is a "Pass/No Pass" course; there is no option for a letter grade. In order to receive a grade of "PASS" Math 30S students must receive at least a 70% average on the Math 30S Lab Activities. Lab activities are things we do during our Math 30S Zoom time and cannot be made up or done in advance. I will record these sessions and upload notes from these sessions into the Information Module on Canvas.

Tentative Schedule

Week 1	Introductions, Section 1.1 & 1.2
Week 2	Sections 1.2, 1.3 and 1.4
Week 3	Sections 1.5 and 1.6
Week 4	Sections 2.1, 2.2, and 2.3
Week 5	Section 2.5 and 3.1
Week 6	Section 3.2, 3.3, and 3.4
Week 7	Section 3.4, 3.5, and 3.6
Week 8	Review and Midterm
	Spring Break
Week 9	Section 3.7 and 3.8
Week 10	Section 4.1 and 4.2
Week 11	Section 4.3 and 4.4
Week 12	Section 4.5 and 4.6
Week 13	Systems of Equation & Matrices
Week 14	Sequences and Series
Week 15	Conics
Week 16	Review & Final

Admissions deadlines & enrollment policies

Spring 2022 Dates

- *Classes begin: 01/15/22*
- *Last day to add a class: 01/21/22*
- *Martin Luther King, Jr's Birthday (all campuses closed: 01/17/22*
- *Last day to drop without a W and receive a refund: 01/28/22*
- *Census date (or 20% into class duration): 01/31/22*
- *Last Day to file P/NP (only courses where this is an option) 02/11/22*
- *Lincoln's Birthday (all campuses closed): 02/18/22*
- *Presidents Day (all campuses closed): 02/21/22*
- *Last day to petition to graduate or apply for certificate: 03/03/22*
- *Spring Break (no classes): 03/14/22-03/19/22*
- *Last day for student-initiated W (no refund): 04/01/22*
- *Last day for faculty-initiated W (no refund): 04/01/22*
- *Final examinations: 05/07/22-05/13/22*

- *Semester ends: 05/13/22*
- *Grades available for transcript release: approximately 05/30/22*

Academic dishonesty

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/or exam 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. 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 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; and 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, the student 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. 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.

Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is inclusive and respectful.

Setting Your Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact Admissions & Records to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. This does not change your legal name in our records. See the Student Information Update form.

Canvas Information

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.
Log into Canvas at https://redwoods.instructure.com
Password is your 8 digit birth date
For tech help, email its@redwoods.edu or call 707-476-4160
Canvas Help for students: https://webapps.redwoods.edu/tutorial/

Canvas online orientation workshop: Canvas Student Orientation Course (instructure.com)

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges Health & Wellness website.

Wellness Central is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Student Support Services

The following online resources are available to support your success as a student:

- CR-Online (Comprehensive information for online students)
- Library Articles & Databases
- Canvas help and tutorials
- Online Student Handbook

Counseling offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- Academic Support Center for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- Library Services to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center

Special programs are also available for eligible students include

- Extended Opportunity Programs & Services (EOPS) provides services to eligible income disadvantaged students including: textbook award, career academic and personal counseling, school supplies, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in Eureka or in Del Norte
- The Veteran's Resource Center supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821