Syllabus for College Algebra with Support

Course Information

Semester & Year: Fall 2022
Course ID & Section #: MATH-30-V3678 & MATH-30S-V3679
Instructor's name: Erin Wall
Day/Time of required meetings: MATH 30S meets Monday and Wednesdays 2:50-4:05pm via Zoom
Course units: 4

Instructor Contact Information

Office location or *Online: SC 216G
Office hours: : By Appointment. Can be done in-person or via Zoom
Phone number: (707 476-4351
Email address: erin-wall@redwoods.edu (Can also message through Canvas) – Best Way to Contact Me

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.

Student Support

Good information and clear communication about your needs will help you be successful. Please let your instructor know about any specific challenges or technology limitations that might affect your participation in class. College of the Redwoods wants every student to be successful.

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 which are listed below. More detail regarding each Learning Objective is provided in Canvas.

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 (1 time)
L.O.6: I can analyze and investigate properties of absolute value functions (1 time)
L.O.7: I can analyze and investigate properties of polynomial functions (1 time)
L.O.8: I can apply techniques for finding zeros of polynomials and roots of equations (1 time)
L.O.9: I can analyze and investigate properties of rational functions (1 time)
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 (1 time)
L.O.12: I can analyze and investigate properties of logarithmic functions (1 time)
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, online homework, and written 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

Exams and Final
There are three exams that are tentatively scheduled as indicated on the Tentative Schedule below. 16 of the 17 Learning Objectives will be assessed on the exams. Learning Objectives assessed will be indicated at the bottom of the rubric for each Exam.

The Final will provide an opportunity for you to assess on Learning Objectives 1-16 and will be given the 16^{th} week of the semester, which is the week of December 11-16.

With the Exams and the Final it is not about accumulating points. It is about demonstrating Mastery of the Learning Objetives. Therefore, you will notice that Canvas will indicate that these are worth 0 points.

Please contact me ASAP regarding issues you have with respect to taking Exams and Final on-time. Make-ups and other opportunities to demonstrate mastery on Learning Objectives are given at my discretion. Timely, honest communication increases ones chances of being granted an opportunity for a make-up or reassessment of a Learning Objective.

Weekly Module Discussion/Activities
Your presence and participation in the Weekly Module Discussions/Activities will help you connect ideas and prepare you to demonstrate mastery of the Learning Objectives. They also help us develop and maintain a supportive learning community. 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 moved on to the next week's module.

Online & Written Homework
There will usually be two weekly online homework assignments (using MyOpenMath linked through Canvas) each week for this class, except the first week, the week of an Exam, and week of the Final. Each will be worth 10 points. The first will be due Wednesdays by 2:50pm 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 to participate in each Weekly Module Discussion/Activity. These may be worked on up until the next Exam on that material.

Each week there will also be a written homework assignment that will consist of you writing up and showing your work on a few problems from your weekly online homeworks and/or problems from the textbook. You will need to submit these on Canvas in a PDF format. Written homework will be graded mainly on neatness, proper notation, and completeness and deductions will occur if I notice multiple incorrect answers or errors or incomplete assignments. It is important that you are learning the algebraic techniques presented in this class, as well as, learning to write and present your work appropriately. Each of these will be worth 10 points. These may be submitted up until the next Exam on that material. It is best to submit these on-time so you are able to benefit from the feedback before your Exams.

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 1.3, 1.4, 1.5
Week 3	Sections 1.6, 1.7
Week 4	Sections 2.1, 2.2, and 2.3
Week 5	Review, Exam 1, Section 3.1
Week 6	Section 3.2, 3.3, and 3.4
Week 7	Section 3.5, 3.6, and 3.7
Week 8	Section 3.8, 3.9
Week 9	Review, Exam 2, Section 4.1
Week 10	Section 4.2, 4.3
Week 11	Section 4.4, 4.5
Week 12	Section 4.6, 4.7
Week 13	Review, Exam 3
	Fall Break/Thanksgiving Holiday
Week 14	Section 9.1, 9.2, 11.1
Week 15	Section 11.2, 11.3, 11.4
Week 16	Conics, Review & Final

Student Feedback Policy

- I will maintain frequent contact with the class and will respond to questions within 48 hours, unless announced absence due to illness, etc.
- I will be part of the discussion/activity forums, providing feedback and discussion prompts.
- Students will receive feedback on online homework instantly.
- Written homework and discussion/activity forums are graded within 2 weeks of the due date.

- Exams will typically be graded within 3 weeks of the due date.

Admissions deadlines & enrollment policies

Fall 2022 Dates

- *Classes begin: 8/20/22*
- *Last day to add a class: 8/26/22*
- *Last day to drop without a W and receive a refund: 9/02/22*
- *Labor Day Holiday (all campuses closed): 09/05/22*
- *Census date: 9/06/22 or 20% into class duration*
- *Last day to petition to file P/NP option: 09/16/22*
- *Last day to petition to graduate or apply for certificate: 10/27/22*
- *Last day for student-initiated W (no refund): 10/28/22*
- *Last day for faculty-initiated W (no refund): 10/28/22*
- *Veteran's Day (all campuses closed): 11/11/22*
- *Fall Break (no classes): 11/21/22 – 11/25/22*
- *Thanksgiving Holiday (all campuses closed): 11/23/22 – 11/25/22*
- *Final examinations: 12/10/22 – 12/16/22*
- *Semester ends: 12/16/22*
- *Grades available for transcript release: approximately 01/06/23*

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