COLLEGE OF THE REDWOODS

Syllabus for Math 130 ~
Foundations of Algebra for Math Intensive Fields

Course Information

Semester & Year:	Spring 2021
Course ID & Section #:	Math 130 ~ Section Number V0296
Instructor's name:	Amber Buntin
Day/Time of *optional* meetings:	Tuesdays/Thursdays 10:30-11:30am via Zoom
Number of proctored exams:	None
Course units:	4 Units Total – 6 hours per week **Math 130 Lecture** – 3 Units (Lecture → 3 Hours/week +HW) **Math 130 Lab** – 1 Unit (Lab→ 3 Hours/week)

Instructor Contact Information

Office location or *Online:	Online
Office hours:	Mon/Wed 2-3pm via Zoom or **Canvas message to meet up!**
Phone number:	707-476-4207
Email address:	Amber-Buntin@redwoods.edu

Required Materials

Textbook title:	Elementary Algebra 2e, AND Intermediate Algebra 2e
Edition:	2nd Edition for both textbooks
Author:	OpenStax
ISBN:	**Elementary Algebra:** 978-1-951693-20-6 **Intermediate Algebra:** 978-1-951693-24-4
Link to OpenStax:	https://openstax.org/subjects/math

Other Requirements

Reliable access to the internet and a computer/laptop is essential to your success in this course since all course material will be delivered and all assignments will be submitted online. Graphing calculator required; TI 83/84 graphing calculator (or comparable app) recommended. See required course materials in syllabus below.

Catalog Description

Math 130 Course Description: A course consisting of elements of beginning and intermediate algebra necessary for long-term engagement in math-intensive fields. This course is designed for students who have attained some algebra skills and intend to take College Algebra. Topics include: linear, absolute value, polynomial, rational, radical, exponential, and logarithmic—expressions, equations, functions, graphs, modeling and applications

Course Student Learning Outcomes *(from course outline of record)*

1. Identify and apply appropriate techniques to simplify and evaluate expressions while solving equations and inequalities.
2. Evaluate and interpret general functions symbolically, numerically, and graphically.
3. Use mathematical modeling and graphical techniques to solve problems.

Prerequisites/Co-requisites/Recommended Preparation

Although there are no prerequisites for this course, students should have skills from Prealgebra, or be able to quickly review and get up to speed "just-in-time," when working through class material.

Evaluation & Grading Policy

Please see weighted grade policy in syllabus below.

Proctored Exams

None

Student Support Services

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.

Check out the following webpage for details about student support services at CR:
https://www.redwoods.edu/services

Canvas Information

Our course canvas page will be updated regularly and will contain a variety of items such as: course announcements, class documents, review resources and much more. Be sure to turn on your notifications if you'd like to be notified about things like new announcements, changes. If you find you are getting too many (or too few) announcements, remember this is an individual setting that you must modify in Canvas. I can help to adjust your settings…just ask! **You will be expected to check canvas daily and be aware of announcements made.**

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://www.redwoods.edu/online/Help-Student
Canvas online orientation workshop: https://www.redwoods.edu/online/NewHome/Canvas-Resources-Home

Student Feedback Policy

- The instructor will maintain frequent contact with the class and will respond to questions within 48 hours, unless announced absence to due illness, etc.
- The instructor will be part of the discussion forums, providing feedback and discussion prompts.
- Lecture videos, notes, and practice problems will be provided for learning course material. These materials will be created by me as well as off of respectable you tube channels.
- Students will receive feedback on online homework instantly.
- Homework, discussion forums, and quizzes are typically graded within two weeks of the due date.
- Exams will typically be graded within 3 weeks of the due date.

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. It does not change your legal name in our records. See the Student Information Update form.

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.

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

During COVID19—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.

Emergency Procedures and Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor https://webadvisor.redwoods.edu and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the Redwoods Public Safety Page.

In an emergency that requires an evacuation of a building anywhere in the District:

- 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.

Math 130 – Foundations of Algebra for Math Intensive Fields

Online Course – (Course number 050296)

Instructor Contact Info

Amber Buntin, Professor of Mathematics

Email: *amber-buntin@redwoods.edu* **Canvas message** is the preferred way to contact me!

Phone: 707-476-4207

Office hours (Zoom): Mondays/Wednesdays 2-3pm OR canvas message me to meet up!

Course Delivery

The course you are enrolled in, Math 130, has both lecture and lab components.

This course is delivered and taught 100% online; there are NO *required* class meetings. Students are required to watch video lectures, participate in online discussions and submit coursework through Canvas. Office hours, tutoring services and many other supports are offered and described in more detail in canvas!

Math 130 Lab Portion ~ This course contains a 1-unit lab component that has optional **virtual sessions Tuesdays and Thursdays 10:30 -11:30am**. In these sessions, students will engage in active group collaboration on activities that are separate from homework and other course requirements. If you cannot make the lab sessions, these meetings will be recorded and posted in Canvas. Students will be required to walk through and submit the lab activity on their own if they cannot make the lab session.

Virtual Presence and Participation

Virtual presence and participation are essential to the learning process as material builds daily in the canvas shell. Communication among you, your classmates and myself will occur almost daily in discussion forums and virtual zoom meetings. An important aspect of this course is the incorporation of active learning, including taking notes from video lectures, completing worksheets, activities, and quizzes and working with others. We will incorporate all of these in our online classroom. It is important that you communicate, participate, ask questions (lots of 'em), dialog with classmates in discussions etc!

It is also essential to our class that both the students and teacher behave in the virtual world (Canvas) in a manner that will provide a comfortable learning atmosphere. **You are expected to be courteous to each other and to the instructor. You should not hesitate to ask questions nor feel embarrassed to ask for help in the canvas course or in live zoom sessions.**

Confirm Presence in Online Classroom

Log in to Canvas and post to the "Introduce yourself!" discussion forum no later than 11:59pm on Thursday January 21st, 2021 to confirm your presence in the online classroom. Doing so will confirm your enrollment in the course and avoid being dropped as a "no show." **You can and will be dropped from the class if you do not log in and post to the "Introduce yourself!" discussions forum inside the online classroom by January 21st, 2021 by 11:59pm**. No exceptions will be made. A student from the waiting list may then be added in your place.

Weighted Grades

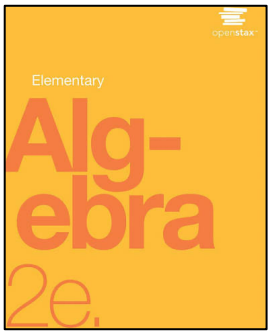
Online Homework/Activities.....10%	93-100%.....A
Written Homework..... **10%**	90-92%.....A-
Discussions/Video Check-ins..... **5%**	88-89%.....B+
Lab Activities..... **10%**	83-87%.....B
Quizzes..... **10%**	80-82%.....B-
Exams **30%**	78-79%.....C+
Final Exam..... **25%**	70-77%.....C
	0-69%.....D-F

Required Materials

Textbooks:

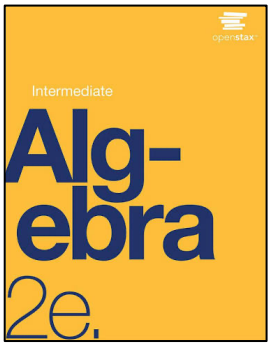
Good news: your textbook for this class is available for **free online, in web view and PDF format!** You can also purchase a print version, if you prefer, via the CR bookstore or from OpenStax on Amazon.com.

Elementary Algebra (2nd Edition) - OpenStax



- **Book URL:** https://openstax.org/books/elementary-algebra-2e/pages/1-introduction
- **Textbook as a PDF:** https://d3bxy9euw4e147.cloudfront.net/oscms-prodcms/media/documents/ElementaryAlgebra2e-WEB_EjIP4sI.pdf
- **ISBN-13:** 978-1-951693-20-6

Intermediate Algebra (2nd Edition) - OpenStax



- **Book URL:** https://openstax.org/books/intermediate-algebra-2e/pages/1-introduction
- **Textbook as a PDF:** https://d3bxy9euw4e147.cloudfront.net/oscms-prodcms/media/documents/IntermediateAlgebra2e-WEB.pdf
- **ISBN-13:** 978-1-951693-24-4

Other Materials:

- Reliable internet
- Daily access to a computer/laptop
- Web Camera and/or smartphone/tablet capable of taking photos
- Lined paper and graph paper
- Pencil, erasers, and straight edge
- Binder or composition/spiral notebook (used as a reference book for notes),
- DESMOS Graphing APP: https://www.desmos.com/
- Graphing calculator is required (TI-83+ or TI-84 recommended) and available to **check out for FREE for the semester** through the Library or you can download a comparable app to your device/computer.

Student Commitment

Your commitment will require at least as much time as you dedicate to a traditional class. College of the Redwoods instructors are required to provide at least 54 hours of "work" during the semester for each unit of credit. Since this is a 4-unit course (3 Lecture unit and 1 Lab unit), you should expect to spend at least 162 hours on this course this semester. **This works out to about 13 hours of effort on average each week including about 3 hours per week for the lab**. Additionally, while I try to keep the workload evenly distributed during the semester, there may be some weeks which require more time than others depending on which assignments or activities are assigned that particular week.

Types of effort required for success:

- participate in cooperative learning activities/group work
- carefully read online lectures and textbook chapters
- participate in online activities and watch online videos
- complete online and written homework
- participate in online discussions, and
- complete weekly quizzes

Conscientiousness, attention to details, and skills in reading and writing are critical for success.

Computer Skills:

Online courses require adequate computer skills. You must be able to:

- navigate the course Learning Management System (Canvas)
- receive and respond to your CR email
- download and upload files to the Canvas
- convert written work to a .pdf file
- use an online homework system MyOpenMath (MOM)

It is your responsibility to meet the technological demands of the course.

Technology Requirements

You should have high-speed internet (such as broadband) service from cable, DSL, or satellite providers as there are videos that require this speed. You need to have reliable access to the internet for the duration of the course. Anticipate problems with your computer and internet access (including power outages) by not waiting until the last minute to submit assignments. It is your responsibility to meet the class deadlines.

Portable Devices vs. Computers:

Although you can use up-to-date portable devices (such as Android or iOS phones & tablets) for some things, you should plan on doing the majority of your work (especially exams and assignments) from a reasonably up-to-date notebook or desktop computer (Mac or PC). ***Do NOT plan to participate in this class solely from a portable device.*** If you do decide to use your portable device for ***some*** of your class work, use the free Canvas app (called "Canvas by Instructure") available in iTunes (for iOS) and the Google Play Store (for Android). You may also connect to Canvas using a web browser on a portable device, but it can be a bit finicky. Your experience with Canvas will be a lot better using the app.

Homework and Activities

Activities, online and written homework, and discussions will be assigned throughout the semester. Homework will be assigned and due around 3 days per week in order to get through all of the necessary material. You are encouraged to work collaboratively on your homework but be sure to NOT COPY other students' work. We will have a zoom study room where you can meet up virtually with others from class. At the end of the semester, your **3** lowest homework scores will be dropped from your grade.

Online Homework:

Online homework will be assigned and completed in a FREE online homework site called MyOpenMath (MOM). **The online assignments will provide for the following incentives:**

- Integrated in Canvas for instant feedback/grading.
- Ability to submit answers multiple times to improve score.
- Infinite set of practice problems/solutions for studying after due date.
- I will set up individual/small group tutorials **if needed** to make sure students have ample support for MOM.

****Late work policy:** 10 Late Passes will be allowed for **online assignments only.** Late passes can be used at any point in the semester and extend the due date for an additional 7 days.

Written Homework:

Written homework will be due with nearly every MOM assignment.
Grading Rubric for HW: Written assignments 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. **Please see "Written Homework Guidelines" section for further details about expectations.**

- For *__most__* online MOM assignments, I will select a few MOM problems for you to **write up solutions for** and scan and post by the due date as a PDF file.
- Written work will typically include material covered in recent homework/notes/activities.
- In addition to written solutions to online HW, problems may be assigned from the textbook. Check answers to ODD numbered problems in the back of the textbook and to help with even-numbered problems.
- **No late written work will be accepted** as there is no time to fall behind.

Exam corrections:

- Assigned after each exam is returned (if time allows)
- Graded as an activity and **do not improve actual exam score**.

Activities:

- We will have lots of activities in this class. Some activities will be incorporated into our weekly lab sessions and we will complete them together, while others will be solely online and asynchronous. Activities will consist of worksheets, activities, presentations and DESMOS activities. Some will be group activities, and some will be individual activities.
- Please create a DESMOS account: https://www.desmos.com

Quizzes

There will quizzes nearly every week delivered in our canvas shell. Quizzes will be both online and written (scan and submit written work). You **MAY NOT** work with other students in class nor get help at the math lab or from a tutor or anyone for that matter. All work shown on quizzes should be your own and should follow the HW guidelines. If I suspect students have worked together on a quiz, all parties will receive a score of zero and may be reported to the dean of students for further consequence.

Exams and the Final

There will be 3-4 in-class exams (30% of grade) throughout the semester and a **required, proctored,** comprehensive final examination (25% of grade). I will notify the class **at least one week** in advance as to the date of each exam. Before each exam, you will receive a study guide and/or practice problems and we will typically have class study session.

If I suspect students have worked together on an exam or used an online APP to help them solve problems on the exam, all involved parties will receive a score of zero and may be reported to the dean of students for further consequence.

All exams need to be submitted by the due date/time as announced in our class schedule and Canvas calendar. **No late exams will be accepted. It is your responsibility to ensure (and confirm) all exams problems have been completed and that the scan that is submitted includes ALL pages.**

Be sure to make all travel plans accordingly as there will be no make-ups for missed exams except in extreme or emergency cases (must provide documentation). Every attempt will be made so **Exams are graded within 3 weeks of all members of class completing the exam.**

*****Final Date: Final Exam due in Canvas the week of May 10th~14th*****

Testing Accommodations

If you are already approved for accommodations through Disabled Services & Programs for Students (DSPS) then **during the first or second week of class** you will need to submit your paperwork to me and let me know of any accommodations you are allotted. Many times, your DSPS counselor will be able to email this document directly to me!

Faculty Withdrawal of Students

It is the policy of the College of the Redwoods Department of Mathematics to exercise a "Faculty Withdrawal" for any student who has missed more than 15% of the class meeting time (~8 days) due to the severely diminished likelihood of a successful course outcome. Missing 1 or more assignments/classes in the first two weeks of school may result in withdrawal as well. For an online course, I base this off of your participation in the course. If I notice you have stopped engaging in our course (no discussion posts, and/or no assignments being worked on), I will ask if you intend to remain enrolled in the course and *may* drop you from the course if I do not hear back. It is important to note that, if it is your intention to withdraw from the course, you are responsible to ensure the proper paperwork has been filed – that is, you **should NOT assume the teacher will file the "Withdrawal" automatically.**

Tutoring Options – Improve Course Success!

- **NetTutor** is available in our Canvas shell on the menu on the left once you enter our course.
- **FREE ASC tutoring** by appointment. Call **707-476-4154.** Check out their webpage for more details: https://www.redwoods.edu/asc/Academic-Support-Center-Home/Tutoring-Services
- **EOPS Program Tutoring.** You must be a EOPS student to receive these tutoring services. Visit their webpage and see if you qualify for this program today: https://www.redwoods.edu/student-services/Home/EOPS
- **LIGHT Center Tutoring.** Please contact the LIGHT center if you are interested in their tutoring services. There is a GUID course you must enroll in to receive services. **Phone:** 707-476-4290 **Webpage**: https://www.redwoods.edu/dsps/Light-Center
- **Private tutoring** is always an option but is of course more costly. If you are interested in hiring a private tutor, let me know and I will ask around to see if I can find anyone!

Mathjam Math Review Courses:

These late-start, short term, **online review classes** can help to review topics in Prealgebra through Intermediate Algebra. Search for the following courses in WebAdvisor to register.

Course Dates: 1/25/2021-3/12/2021

- **MATH 301 – Prealgebra Review – 1 Unit** (this is the one you would likely "need")
- MATH 302 – Elementary Algebra Review – **1 Unit**
- MATH 303 – Intermediate Algebra Review– **1 Unit**

If you'd like to review, but do not want the unit/work obligation, then Canvas message me and I'll give you access!

Final Words

A few words about my expectations for you and myself in this course: My responsibilities include providing course content, assigning carefully chosen homework problems that are relevant to our course and carefully preparing quiz and exam questions that accurately measure your progress in the course. Additionally, I am responsible to be available to you for consultation in office hours (by appointment…just email me ☺).

Likewise, I believe that you are ultimately responsible for your college education and I expect you to participate regularly, ask questions when needed and do your best to devote time to learning the course material. This involves keeping up with homework assignments, seeking additional help, either from me or from the many resources available to you, before it is too late.

Guidelines for Written Homework

Please follow these guidelines when completing homework assignments on paper/digitally.
It makes my grading experience much more pleasant ☺

1. Complete all written assignments on a **separate sheet of paper.** You **may use both sides** of the paper. Do NOT complete assignments on the pages of your textbook.
2. ~~**Staple** all homework in the upper left-hand corner.~~
3. **Label** your homework with your name, course number, and section number in the upper right-hand corner (see example below).
4. **Copy down original problem and directions** (summarize word problems)!
5. Write your problems in order **DOWN** the page. Please **skip a line** between problems.
6. **Circle**, **box,** or **highlight** your answers to each exercise so I can find your answer quickly.
7. Please use **pencil** when writing your homework, and please write legibly and neatly. Presentation is a component of your homework score. NO PENS!
8. Be sure to **show your work** when solving a problem. A problem with just the answer and no work shown will receive NO CREDIT.
9. **Cut or tear off** any frilly edges on paper torn from a notebook.
10. When creating a graph, you **MUST USE GRAPH PAPER AND A RULER,** or you will get a ZERO on the assignment.
11. ~~If you are ever given two assignments due on the same day make sure complete them and **staple them SEPARATELY**.~~

Staple in upper left corner.

Ima Student
Math 130
Section 1.2

HW 1.2: 4, 11, 20, 41

4. Solve $-26x + 84 = 48$

$$-26x + 84 = 48$$
$$-26x = -36$$
$$\boxed{x = \frac{36}{26}}$$

11. Solve $19x + 35 = 10$

$$19x + 35 = 10$$
$$19x = -25$$
$$\boxed{x = -\frac{25}{19}}$$

20. Solve $-8 - 8(x - 3) = 5(x + 9) + 7$

$$-8 - 8(x - 3) = 5(x + 9) + 7$$
$$-8 - 8x + 24 = 5x + 45 + 7$$
$$-8x + 16 = 5x + 52$$
$$-13x = 36$$
$$\boxed{x = -\frac{36}{13}}$$

41. Solve $Ax + By = C$ for y

$$Ax + By = C$$
$$By = C - Ax$$
$$\boxed{y = \frac{C - Ax}{B}}$$

********** Syllabus Subject to Change **********

Announcements will be made in Canvas.

Students are expected to check email, Canvas, and/or with fellow classmates concerning missed work!