CR COLLEGE OF THE REDWOODS

Syllabus for Math 101 ~ Math Review for the TEAS Test

Course Information

Semester & Year:	Fall 2020
Course ID & Section #:	Courses: **Math 101** – E1110 – Math Rev for TEAS Test OR **Math 252** – E1111 – Math Rev for TEAS Test (non-credit)
Instructor's name:	Amber Buntin
Day/Time of required meetings:	None, course is online
Number of proctored exams:	None
Course units:	**Math 101** – 0.5 Units (9 hrs coursework/18 hrs homework) **Math 252** – 0 Units (Non-credit)

Instructor Contact Information

Office location or *Online:	Online
Office hours:	Thurs Noon-1pm or **Canvas message to meet up!**
Phone number:	707-476-4207
Email address:	Amber-Buntin@redwoods.edu

Required Materials

Textbook title:	ATI TEAS Study Manual
Edition:	2020-2021
Author:	ATI Testing
ISBN:	None
Other requirements:	Composition notebook or lined paper, a binder, a basic calculator (if you have one), and pencil and eraser.

Catalog Description

Math 101 Course Description:

A review course for students who have successfully completed course work in elementary or intermediate algebra. This review course will include topics from elementary and intermediate algebra and can be used as a refresher prior to enrolling in the next math course. This course can help students raise their level of math readiness. The level and depth of review will be adjusted to suit the individual student's needs.

Math 252 Course Description:

A course offering instructional support to students needing help in mathematics in a self-paced lab environment. This course supports basic skills mathematics and mathematics-related classes. Students receive one-on-one and small group instruction to enhance success in mathematics across the curriculum.

Course Student Learning Outcomes

Math 101 Outcomes:
1. Read, write, and speak accurately about mathematical ideas and use correct mathematical notation.
2. Perform symbolic manipulations to solve problems and communicate mathematics.

Math 252 Outcomes:
1. Analyze problems in mathematics or mathematics-related courses.
2. Apply strategies to plan and complete assignments on time.

Evaluation & Grading Policy

This is a Pass/No Pass course.
Grade is based on completing 9 hours (attendance & participation) in class.

Prerequisites/Co-requisites/Recommended Preparation

None

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/Home/Student-Resources/Canvas-Resources

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.
- 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 YouTube channels.
- Students will receive feedback on online homework instantly.

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

Students will have access to online course materials that comply with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Students who discover access issues with this class should contact the instructor.

College of the Redwoods is also 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, approved accommodations for distance education classes will be emailed to the instructor by DSPS. In the case of face to face instruction, please present your written accommodation request to your instructor at least one week before the first test so that necessary arrangements can be made. Last-minute arrangements or post-test adjustments cannot usually 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 101/252 – Math Review for TEAS Test
Online Course – (Course numbers 051111/051110)

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 (SC 216K):   Thurs Noon-1pm OR canvas message me to meet up!

My Math Lab Hours: Tuesday Noon-1pm, Tuesday 8-10pm

Virtual Math Lab: Access the Math Lab Canvas Page by registering for the credit bearing course, **Math 52 (0.5-1 unit)** OR the **FREE non-credit Math Lab, Math 252** (0 units). Link to check open hours during any given semester: https://www.redwoods.edu/math/Lab

Course Delivery

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

There will be weekly office hours in zoom (Thurs Noon-1pm) that students are **encouraged** to attend for homework help and/or extra examples of recent material.

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 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 Wednesday, November 4th, 2020 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 November 4th, 2020 by 11:59pm.** No exceptions will be made.

Student Commitment

Your commitment will require at least as much time as you dedicate to a traditional class. Since this is a 0.5 unit course, you should put in ==about 9 hours of effort "in-class" and up to 18 hours of "homework"== during the length of our class.

Types of effort required for success:
- participate in cooperative learning activities/group work
- participate in online activities and watch online videos
- complete online and written homework
- participate in online discussions, and

==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.

Mathematics Review Topics

We will cover as many of these review topics as time allows!

- **Basic Operations**
  - Multiplication Tables
  - Estimating
  - Order of Operations
- **Fractions**
  - Add, Subtract, Multiply, Divide Fractions
  - Comparing Fractions
- **Decimals**
  - Place Value and Rounding
  - Add, Subtract, Multiply, Divide Decimals
  - Comparing Decimals
- **Percentages**
  - Calculating Percentages
  - Percent Increase and Decrease
- **Converting Fractions, Decimals, and Percentages**
  - Decimals to Percentages
  - Fractions to Decimals
  - Fractions to Percentages
- **Ratios and Proportions**
  - Rate of Change
  - Setting up and Solving Proportion Problems
- **Algebra**
  - Simplifying Expressions
  - Distributive Property
  - Solving Equations
  - Solving Inequalities
  - Solving Formulas
  - Absolute Value Equations
- **Word Problems**
  - Translating Algebraic Expressions, Equations and Inequalities
  - Solving Word Problems
- **Geometry**
  - Perimeter
  - Circumference
  - Area and Surface Area
- **Measurements and Conversions**
  - English and Metric System Conversions
  - Using Formulas for Conversions (ex. Temperature Conversations)
- **Data Interpretation**
  - Independent and Dependent Variables
  - Reading Graphs
  - Descriptive Statistics (Mean, Median, Mode, Range, etc)
  - Data Distribution

Useful Resources & Links

(Open syllabus thru canvas to click links directly)

TEAS Test Links

The TEAS test consists of all multiple-choice questions. There are **170** total multiple-choice questions on the TEAS test. However, your score will only be measured on **150 questions**, while the other 20 are sample questions. You will not know which are scored questions and which are sample questions.

ATI TEAS Testing Information: https://www.atitesting.com/teas/teas-exam

TEAS Math Study Guide: https://www.mometrix.com/academy/teas-mathematics/

ATI TEAS Math Test Practice: https://www.testprep-online.com/teas-math/

Practice Tests: https://www.test-guide.com/free-teas-practice-tests.html

FREE College of the Redwoods Textbooks

Prealgebra Textbook (Math 376):   http://msenux2.redwoods.edu/PreAlgText/
Elementary Algebra Textbook (Math 380):   http://msenux2.redwoods.edu/ElemAlgText/
Intermediate Algebra Textbook (Math 120):   http://msenux2.redwoods.edu/IntAlgText/

***Some of CR's advanced math classes have books on reserve in the library and some of them can be checked out for use for the entire semester. Ask your instructor and/or the library depending on what course you are enrolled in. ***

Useful Online Studying Resources

College of the Redwoods Math Review Page (for Self-Paced Review):
http://msenux2.redwoods.edu/mathjam/?s=public

KUTA worksheets with solution keys (Prealgebra to Algebra II, & Geometry):
http://www.kutasoftware.com/

More Math Worksheets with Solution Keys (Mainly Arithmetic and Prealgebra):
http://www.superteacherworksheets.com/

Videos on MANY math topics (Prealgebra to Calculus):
http://www.onlinemathlearning.com/calculus.html

Tutorials created by students for students (Elementary Algebra):
http://www.mathpower.com/tutorial.htm

> **Many of the above pages have topic lists down the left-hand side and you must search for worksheets/videos by topic.**

Tutoring Options – Improve Course Success!

The Virtual Math Tutoring Lab:

The math lab is held virtually this semester.

Sign up in WebAdvisor for one of the courses below:

- **MATH 252** Open Mathematics Lab. This is a FREE, no credit option to get drop into the virtual math tutoring lab. **If you do not need units** or you want math help but cannot fulfill hour requirements for math lab, then this is the opdtion for you!

- **MATH 52** Math Lab for Transfer Level Math. Register in WebAdvisor for this for-credit drop-in tutoring course. Available for:

    - **0.5 unit** with 22.5 hours required per semester or about 1.5 hours a week, OR

    - **1 unit** with 45 hours required per semester or about 3 hours a week

Other Tutoring Options:

- **NetTutor** is available in our Canvas shell on the menu on the left once you enter our course.

- **FREE ASC tutoring** by appointment. Call **707-476-4106 or 707-476-4154.**

- **OPTIMATH** practice assignments give immediate feedback and written out solutions: http://msenux2.redwoods.edu/cgi-bin/online/s18/OTportal.cgi

- The **CR Math Jam** webpage is a great way to prepare for exams and contains lessons as well as OPTIMATH assignments: http://msenux2.redwoods.edu/mathjam/?s=public

- **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:

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

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 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.

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