Syllabus for Math 101 ~ Math Review for TEAS Test

Course Information
Semester & Year:	Spring 2020
Course ID & Section #:	Math 101 – E0855 – Math Rev for TEAS Test **(Credit)**
	Math 252 – E0856 – Open Mathematics Lab **(Non-Credit)**
Instructor's name:	Amber Buntin
Day/Time or *Online:	Mon/Tues/Wed 1/13/2020 - 1/15/2020 9:00am-12:00pm
Location or *Online	AT 103 – Applied Technology Building
Number of units:	Math 101 – 0.5 Units
	Math 252 – 0 Units (Non-credit)

Instructor Contact Information
Office location or *Online:	SC 216K
Office hours:	By appointment
Phone number:	707-476-4207
Email address:	Amber-Buntin@redwoods.edu

Required Materials
Textbook title:	ATI TEAS Study Manual - Link to purchase ORDER ASAP!
Edition:	6th Edition
Author:	ATI Testing
ISBN:	None
Other requirement:	Composition notebook or lined paper, a binder, a basic calculator (if you have one), and pencil and eraser.

Catalog 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
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 and grade is based on attendance and participation for all three class days.

Prerequisites/co-requisites/recommended preparation
None

Math 101/252 ~ Math Review for TEAS Test

Mon-Wed, 1/13/2020-1/15/2020 ~ 9am-12pm – AT 103
Course number 040855 (040856)

Instructor Contact Info

Amber Buntin, Professor, Department of Mathematics

Email: _amber-buntin@redwoods.edu_ <mark>Canvas message</mark> is the preferred way to contact me!

Phone: _707-476-4207_   Office hours (SC 216K): By appointment!

Math Lab Hours (Located in the back of ASC):   The drop-in Math Lab is typically open Mon-Thurs 10-5pm and Friday 10-3pm during the regular Fall/Spring semester.   Link to check open hours during any given semester: https://www.redwoods.edu/math/Lab

***Note: You must be **signed up** for Math 252 (FREE non-credit) or Math 52 (Credit) to utilize the math lab.   In the Math Lab there are little red flags on the tables that you raise when you have a question.

Classroom Environment and Attendance

It is essential to our class that both the students and teacher behave in a manner that will provide a comfortable learning atmosphere. Be respectful to one another. You should not hesitate to ask questions nor feel embarrassed to ask for help.

You are expected to arrive on time and to leave upon dismissal. Arriving late or leaving before class is dismissed is disruptive and disrespectful to your fellow students as well as your teacher. Please be prepared with your headphones put away and cell phones SILENCED. <mark>You are expected to show up for all days of class and stay the whole time in order to receive credit for the course. Please sign up for the non-credit option, Math 252 (E0856), if you cannot make all days.</mark>

Class Information and Expectations

During our class, I will give mini math lessons on topics that are essential to help you prepare for the TEAS test. We may have an assortment of paper worksheets, activities, homework assignments, online assignments etc throughout the course. There will be some flexibility with topics covered.

Required Materials

Please come to class all days with a composition notebook or lined paper, a binder, a basic calculator (if you have one), and pencil and eraser.

Canvas

I will send communications via canvas. I may use our course canvas page to post documents, handouts, review worksheets and more. Be sure to turn on your notifications if you'd like to be notified about changes to the canvas page.

Link to Canvas: https://redwoods.instructure.com/

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

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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.**

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