Integrated Math 1A
Syllabus

INSTRUCTOR INFORMATION
Please go to your course and access the 'Course Home' for detailed instructor information.

CONTACT INFORMATION
Please feel free to contact me if you have any questions regarding your assignments or course content. Course facilitators respond to emails within 24 hours on weekdays and 48 hours on weekends. If you don't receive a response in that time, please reach out again just in case I did not get your message.

COURSE REQUIREMENTS
All learners must have computer and internet access. Participants in online classes must be comfortable with the basic functions of word-processing software, including GOOGLE DOCS. All materials and texts are available in the course itself.

COURSE DESCRIPTION
Integrated Math I is the first course in the Common Core's Integrated Mathematics Pathway. It serves to extend the concepts and skills acquired in the middle grades.

COURSE GOALS
This course is designed for those students entering a high school level/college prep math track. Before starting this course students should have finished Algebra 1 or equivalent course. Upon completion of Geometry students can take Algebra 2.

STANDARDS MET
This course covers the California state math standards for the first semester of Integrated Math including these anchor standards:
https://www.cde.ca.gov/be/st/ss/documents/ccssmathstandardaug2013.pdf
Specific standards met for each assignment are listed with the assignment in the course itself.

REQUIRED TEXTS
All reading materials are available online, but will also be provided as links through the course website.
Other selected readings for nonfiction available within the course.

COURSE OUTLINE
Below is a summary of the topics of study covered in this course.

BLOCK 1 Fractions and Decimals; Simplifying Fractions
BLOCK 1 ASSIGNMENT #1 Sign up for remind
BLOCK 1 ASSIGNMENT #2 Repeating decimals with bar notation
BLOCK 1 ASSIGNMENT #3 Write mixed numbers as a decimal

BLOCK 1 DISCUSSION Getting to know you

BLOCK 2 Commutative, Associative, and Distributive Properties
BOCK 2 ASSIGNMENT #1 Addition and multiplication properties
BLOCK 2 ASSIGNMENT #2 Distributive, commutative, associative and identity property
BLOCK 2 DISCUSSION BOARD Discuss the associative property of addition and multiplication

BLOCK 3 Adding, Subtracting, Multiplying, and Dividing Fractions
BLOCK 3 ASSIGNMENT #1 Multiplying and dividing fractions with mixed numbers
BLOCK 3 ASSIGNMENT #2 Adding and subtracting fractions with mixed numbers

BLOCK 4 Order of Operations; Evaluating Expressions
BLOCK 4 ASSIGNMENT #1 Order of operations
BLOCK 4 ASSIGNMENT #2 Evaluating expressions using order of operations

BLOCK 5 Solve Equations by Addition, Subtractions, Multiplication, or Division
BLOCK 5 ASSIGNMENT #1 Solve one-step equations
BLOCK 5 ASSIGNMENT #2 Solve two-step equations
BLOCK 5 DISCUSSION BOARD Discuss balancing equations

BLOCK 6 Solve Multi-Step Equations
BLOCK 6 ASSIGNMENT #1 Combining like terms with negative coefficients and distribution
BLOCK 6 ASSIGNMENT #2 Solving muti-step equations

BLOCK 7 Solve Equations with Variables on Both Sides
BLOCK 7 ASSIGNMENT #1 First step in solving equations
BLOCK 7 ASSIGNMENT #3 Solving equations with variables on both sides of the equation

BLOCK 8 Slope and Slope-Intercept Form
BLOCK 8 ASSIGNMENT #1 Slope and slope intercept form
BLOCK 8 DISCUSSION on Slope-intercept form

BLOCK 9 More Graphing; Parallel and Perpendicular Lines
BLOCK 9 ASSIGNMENT #1 Graph using intercepts
BLOCK 9 ASSIGNMENT #2 Parallel and perpendicular lines

BLOCK 10 Systems of Equations
BLOCK 10 ASSIGNMENT #1 Solve systems using graphing or substitution
BLOCK 10 ASSIGNMENT #2 Solve systems of equations by graphing, substitution or elimination

BLOCK 11 Inequalities
BLOCK 11 ASSIGNMENT #1 Solve and graph inequalities

BLOCK 11 ASSIGNMENT #2 Graph compound inequalities

BLOCK 12 Absolute Value
BLOCK 12 ASSIGNMENT #1 Solve absolute value equations
BLOCK 12 DISCUSSION BOARD Discussion on favorite number and why

BLOCK 13 Inequalities in Two Variables
BLOCK 13 ASSIGNMENT #1 Graphing inequalities in two variables

BLOCK 14 Graphing Systems of Linear Inequalities
BLOCK 14 ASSIGNMENT #1 Graphing two variable inequalities
BLOCK 14 ASSIGNMENT #2 Solving systems of inequalities

BLOCK 15 Final Week
BLOCK 15 DISCUSSION BOARD Discussion on proper steps for absolute value equations
BLOCK 15 The Final Thing

RESOURCES/MATERIALS USED IN THIS COURSE

Blocks 1-5 Resources:

- Youtube: Videos on Fractions and Decimals; Simplifying Fractions; Commutative, Associative, and Distributive Properties; Adding, Subtracting, Multiplying, and Dividing Fractions; Order of Operations; Evaluating Expressions; Solve Equations by Addition, Subtractions, Multiplication, or Division
- Facilitator created content: Assignments on Fractions and Decimals; Simplifying Fractions; Commutative, Associative, and Distributive Properties; Adding, Subtracting, Multiplying, and Dividing Fractions; Order of Operations; Evaluating Expressions; Solve Equations by Addition, Subtractions, Multiplication, or Division Practice for One-step Equations
- Khan Academy: Practice adding and subtracting fractions, Practice evaluating expressions with variables, Practice One-Step Equations
- IXL: Practice converting fractions to decimals and decimals to fractions, Practice simplifying fractions
- Arcademics: Practice simplifying fractions
- Little Streams.com Notes on Order of Operations

Blocks 6-10 Resources:

- Youtube: Videos on Solve Multi-Step Equations, Solve Equations with Variables on Both Sides, Slope and Slope-Intercept Form, More Graphing; Parallel and Perpendicular Lines, Systems of Equations
- Facilitator created content: Assignments on Solve Multi-Step Equations, Solve Equations with Variables on Both Sides, Slope and Slope-Intercept Form, More Graphing; Parallel

and Perpendicular Lines, Systems of Equations, Practice Multi-step equations, Notes on how to solve equations with variables on both sides, Practice Solving equation with variables on both sides, Practice writing equations in slope intercept form
- Khan Academy: Practice two-step equations, Practice slope formula
- IXL: Practice two-step equations, Practice parallel and perpendicular lines

Blocks 11-15 Resources:

- Youtube: Inequalities, Absolute Value, Inequalities in Two Variables, Graphing Systems of Linear Inequalities
- Facilitator created content: Assignments on Inequalities, Absolute Value, Inequalities in Two Variables, Graphing Systems of Linear Inequalities, Practice solving absolute value equations, Practice systems of linear inequalities
- Khan Academy: Practice Substitution Method, Practice solving linear systems using elimination method, Practice graphing inequalities
- IXL: Practice graphing inequalities, Practice solving compound inequalities

METHODS OF INSTRUCTION

This is an online course, and while there is flexibility in how and when you do assignments, it is best to log in and complete work each day according to the posted pacing schedule. Each BLOCK in a course is worth about 1 week of work during the regular semester. You can find our suggested pacing guide at ileadonline.org under 'CALENDARS'. It is highly recommended that learners follow the pacing schedule posted. Please be sure to check in with your teacher of record (coach/EF/Guide/ES) for guidance with scheduling.

This course uses project based learning to encourage an authentic, developed appreciation of the topics covered. That means that while it may include quizzes and some traditional assessments, the bulk of the coursework focuses on projects that require learners to display their learning in a thorough and creative manner. If you are struggling to complete your work or you need some assistance with an alternate schedule or workload, please contact me as soon as possible. I am more than happy to help support your success in the class!

LEARNER EXPECTATIONS

The learner is expected to participate in the course via e-mail, discussion boards (or other communication) with the facilitator, by reading the assigned readings, submitting assignments and completing and submitting original work.

Learners are expected to check their course and email account every day and complete work on time as assigned with designated dates and time.

Learners are expected to communicate with their instructor and eachother in a respectful manner. Please follow the guidelines below:

1. **Make sure identification is clear in all communications**. If you are emailing or messaging your instructor or eachother, please be sure they know who you are and what class you're in. That really helps with clear communication.
2. **Review what you wrote and try to interpret it objectively.** When we speak face to face and are misunderstood, we have an on-the-spot opportunity to rephrase our words. In writing, we must strive twice as hard to be understood, as we do not have the benefit of modifying or elaborating in real time. All caps ("I'M SHOUTING") and exclamation points ("Give me a break!!!") can be misinterpreted as intense anger or humor without the appropriate context.
3. **If you wouldn't say it face to face, don't say it online.** When you're working online, you're safe behind a screen, but that's no excuse to be ill-mannered or say things you would never say in public.
4. **Use emoticons when appropriate.** In casual chatroom settings, emoticons can help convey feelings that may otherwise get lost in translation, including humor, exasperation, exhaustion and even confusion. These aren't the best choice for formal assignments or projects though.
5. **Respect others' voices and be kind.** We all come from different backgrounds and have our own stories. Assume the best of eachother and always be kind in your communication.
6. **Remember, if it's on the internet, it's everywhere.** Don't share personal information about yourself in a public online forum, especially something that could put your safety or security at risk.
7. **Practice Patience:** All your facilitators are doing their best to grade work in a timely manner. We also want to give you meaningful feedback, which takes some time. If you feel like there has been an error or an assignment was missed, please reach out with your name and class and we will do our best to sort it out.

(UTEP Connect)

GRADING

Each assignment is given a specific number of points. The number of points earned by the student is determined and a percentage is calculated. The raw score is recorded in the grade book.

An overall grade in the course will be determined according to your school's grading scale.

SUBMITTING ASSIGNMENTS

All work must be submitted to Brightspace, our learning management system. This is very important for record keeping and compliance. You have access to directions on how to do this in the 'Course Resources' folder of this class and in your Orientation class. If you need any help submitting work please reach out to your instructor and we will make time to ensure that you're able to turn in work to Brightspace.

HONESTY AND PLAGIARISM

Academic Integrity is essential to authentic learning. We want you to get the most out of your courses, and a BIG part of that is learning how to:

- Come up with your own ideas
- Use technology (like AI and other Online resources) to inform your original ideas
- Research in ways that help you develop your thoughts
- Give credit where credit is due
- Explore and use tools (like AI, citation generators, etc.) that help you grow as a person and a learner

Please review THIS RESOURCE for more information on plagiarism and this guide for choosing, using and citing resources.

Our goal is to support you so that you can learn in a meaningful, authentic way. Any plagiarized work (this includes work generated solely by AI) will be given a zero and referred to your EF/COACH/GUIDE for review. From there we will work with you to support you as best we can.

PRIVACY POLICY

All work submitted is the property of the author and is not available to anyone not in the class. If work is to be submitted or viewed outside of this website, I will obtain permission from the author. FERPA Info