Glendale College

Course Outline of Record Report

Course ID 000102

Revision - April 2025

ABSE20 : BASIC MATH

General Information

Author:	• Jesus Carino • Perner, Kimberli
Course Code (CB01) :	ABSE20
Course Title (CB02) :	BASIC MATH
Department:	ABSE
Proposal Start:	Spring 2026
TOP Code (CB03) :	(4930.60) Elementary Education (Grades 1-8)
CIP Code:	(32.0101) Basic Skills and Developmental/Remedial Education, General.
SAM Code (CB09) :	E - Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000659438
Curriculum Committee Approval Date:	04/09/2025
Board of Trustees Approval Date:	06/18/2024
Last Cyclical Review Date:	05/08/2024
Course Description and Course Note:	ABSE 20 is a math course designed for students looking to review or master fundamental arithmetic, covering whole number operations, fractions, decimals, percentages, and an introduction to signed numbers. Lecture 32-64 hours. Note: This course is Pass/ No Pass only.
Justification:	Content Change
Academic Career:	• Noncredit
Mode of Delivery:	• In-Person • Remote • Hybrid
Author:	No value
Course Family:	No value

Academic Senate Discipline

Primary Discipline:	• Mathematics-Basic Skills: Non-Credit
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is a basic skills course.

☐ Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Pass / No-Pass Only

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Not transferable

Transferability Status

Not transferable

Units and Hours

Summary

Minimum Credit Units (CB07)	0
Maximum Credit Units (CB06)	0
Total Course In-Class (Contact) Hours	32 - 64
Total Course Out-of-Class Hours	0 - 0
Total Student Learning Hours	32 - 64

Credit / Non-Credit Options

Course Type (CB04)

Non-Credit

Noncredit Course Category (CB22)

Elementary and Secondary Basic Skills.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Other Non-Credit Enhanced Funding.

☑ Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

☐ Cooperative Work Experience Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	32 - 64	0
Laboratory Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	

Studio Hours	0	0	Lecture	32 - 64
			Laboratory	0
			Studio	0
			Total	32 - 64
			Course Out-of-Class Hours	
			Lecture	0
			Laboratory	0
			Studio	0
			Total	0

Time Commitment Notes for Students

Students are expected to do class work and any opportunities of practice to comprehend the material.

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Prerequisites, Corequisites, Recommended Corequisites, and Recommended Preparation

Advisory

ESL30 - ENGLISH AS A SECOND LANGUAGE LEVEL 3 (in-development)

Objectives

- Develop coherence and mechanical accuracy.
- Demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level.
- Converse at a functional level adequate for everyday use on the campus and in the community.

Entry Standards

Entry Standards	Description
No value	No value

Course Limitations

Cross Listed or Equivalent Course	Description
No value	No value

Requisite Validation

Upload Statistical Validation and/or other documents (if necessary)

No Value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Methods of Instruction	Multimedia
Methods of Instruction	Collaborative Learning
Methods of Instruction	Discussion
Methods of Instruction	Independent Study

Out of Class Assignments

N/A

Methods of Evaluation	Description of Activity/Interaction
Activity (answering journal prompt, group activity)	Partner and group work
Exam/Quiz/Test	Formative assessments

Textbook Rationale

Since the change to the GED test, these textbooks do not have more recent copies.

Textbooks

Author	Title	Publisher	Date	ISBN
N/A	Breakthrough to Math Book Level 1	Syracuse: New Readers Press	2012	978-1-56420-966-5
N/A	Breakthrough to Math Book Level 2.	Syracuse: New Reader P	2012	978-1-56420-975-7

Other Instructional Materials (i.e. OER, handouts)

Description	Instructor generated materials with use of duplicated worksheets from books with copyright permission.
Author	No value
Citation	No value
Online Resource(s)	No value

Description	MyOpenMath
Author	No value
Citation	No value
Online Resource(s)	https://www.myopenmath.com/

Learning Outcomes

Course Objectives

Compute problems dealing with whole numbers, fractions, decimals, and percent.

Estimate a reasonable answer to a problem.

Solve word problems involving whole solve multiple-step problems involving whole numbers, fractions, decimals, and percent.

Solve word problems involving whole numbers, fractions, decimals, and percent.

SLOs

Recognize key words when solving world problems and be able to determine the necessary operation (s) needed. Expected Outcome Performance: 70.0

ABSE NCR AHS Diploma	Apply mathematical ways of thinking to real world issues and challenges using mathematical modeling and problem solving techniques.
ABSE Core PLOs	Apply the skills that the Common Core Standards have identified for each course.
ABSE NCR Adult Basic Education	Compute and solve real world problems using basic operations with whole numbers, fractions, decimals, and percents.
ILOs Core ILOs	Use quantitative and/or analytical mathematical skills to solve problems and to interpret, evaluate, and process information and data to draw logical conclusions and support claims.

Explain the difference between types of fractions and be able to convert from one format to another. Expected Outcome Performance: 70.0

ILOs Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
	Use quantitative and/or analytical mathematical skills to solve problems and to interpret, evaluate, and process information and data to draw logical conclusions and support claims.
ABSE NCR AHS Diploma	Apply mathematical ways of thinking to real world issues and challenges using mathematical modeling and problem solving techniques.
ABSE Core PLOs	Apply the skills that the Common Core Standards have identified for each course.
ABSE NCR Adult Basic Education	Compute and solve real world problems using basic operations with whole numbers, fractions, decimals, and percents.
ABSE NCR GED Preparation	Solve a variety of word problems, many with graphics, using basic computation, analytical and reasoning skills.

Calculate conversion of percent to decimal and decimal to percent. Expected Outcome Performance: 70.0

ABSE NCR AHS Diploma	Apply mathematical ways of thinking to real world issues and challenges using mathematical modeling and problem solving techniques.
ABSE Core PLOs	Apply the skills that the Common Core Standards have identified for each course.
ABSE NCR Adult Basic Education	Compute and solve real world problems using basic operations with whole numbers, fractions, decimals, and percents.
ILOs Core ILOs	Use quantitative and/or analytical mathematical skills to solve problems and to interpret, evaluate, and process information and data to draw logical conclusions and support claims.

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Whole numbers (6-12 hours)

- Computation
- Addition
- Subtraction
- Multiplication
- Division
- Estimation
- Word problems

Fractions (10-20 hours)

- Meaning, renaming, and reducing
- Common denominators and LCD
- Computation
    - Addition (like and unlike denominators)
    - Subtraction (like and unlike denominators)
    - Multiplication
    - Division
- Mixed numbers
    - Renaming
    - Regrouping
    - Addition (with and without renaming)
    - Subtraction (with and without regrouping)
    - Multiplication
    - Division
- Estimation
- Word problems

Decimals (7-14 hours)

- Meaning
- Computation
    - Addition
    - Subtraction
    - Multiplication
    - Division
- Estimation
- Word problems

Percent (9-18 hours)

- Meaning
- Whole, part, percent
- Computation
- Word problems

Total hours: 32-64

Additional Information

Repeatability

Repeatable

Justification (if repeatable was chosen above)

Non-credit courses

Is it possible this course will have a material fee?

No

I have contacted my library liaison (https://campusguides.glendale.edu/faculty/liaisons):

Yes

What term(s) will this course be offered?

Fall/Winter/Spring/Summer

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

No Value