ABSE120 : Basic Mathematics Review

General Information

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Course Code (CB01) :	ABSE120
Course Title (CB02) :	Basic Mathematics Review
Department:	ABSE
Proposal Start:	Spring 2026
TOP Code (CB03) :	(1702.00) Mathematics Skills
CIP Code:	(27.0199) Mathematics, Other.
SAM Code (CB09) :	Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000607379
Curriculum Committee Approval Date:	02/26/2025
Board of Trustees Approval Date:	04/22/2025
Last Cyclical Review Date:	02/26/2025
Course Description and Course Note:	ABSE 120 is a contextualized math course which prepares students for a successful transition to college, apprenticeships, and employment. Students study numeracy, fractions, decimals, percentages, unit conversion, ratios, and proportions. Lecture 20 hours. Note: This is a self-paced course in an open-entry, open-exit lab environment. This course is Pass/ No Pass only.
Justification:	Mandatory Revision
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)

Two levels below transfer,

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	20
Total Course Out-of-Class Hours	0
Total Student Learning Hours	20

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)

Non-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	20	0
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	20

Laboratory	0
Studio	0
Total	20

Course Out-of-Class Hours

Lecture	0
Laboratory	0
Studio	0
Total	0

Time Commitment Notes for Students

No value

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

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

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Methods of Instruction	Laboratory
Methods of Instruction	Discussion
Methods of Instruction	Multimedia
Methods of Instruction	Tutorial
Methods of Instruction	Collaborative Learning

Out of Class Assignments

N/A

Methods of Evaluation	Rationale
Activity (answering journal prompt, group activity)	Class participation
Exam/Quiz/Test	Quizzes
Exam/Quiz/Test	Exit assessment

Textbook Rationale

The principles of the course have not changed, so material is still valid, and publication date is irrelevant.

Textbooks

Author	Title	Publisher	Date	ISBN

Hoyt, Cathy Fillmore	Math Sense Book 1: Focus on Operations	New Reader Press	2015	978-1-56420-691-6

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

Description	OER materials provided by instructor
Author	No value
Citation	No value
Online Resource(s)	No value

Learning Outcomes

Course Objectives

Solve problems dealing with whole numbers, fractions, decimals, and percentages.

Utilize ratios and proportions in contextualized settings.

Solve multiple-step math problems appropriate to industries and/or academics.

Develop fluency in mathematical terminology.

Estimate a reasonable answer to a problem.

SLOs

Perform operations with integers, decimal numbers, percentages, and/or fractions without the aid of a calculator. 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 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.

Solve equations and inequalities with unknown variables. 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 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.

Course Content

Lecture Content

Calculations using whole numbers, and decimal numbers (4 Hours)

- Meaning computation
- Addition, subtraction, multiplication, division
- Rounding and estimation
- Decoding word problems

Fractions (7 hours)

- Meaning, estimation, renaming, and reducing ·
- Common denominators and lowest common denominators ·
- Addition (like and unlike denominators) · Subtraction (like and unlike denominators)·
- Multiplication and division
- Mixed numbers, renaming, and regrouping in addition and subtraction
- Multiplication and division of mixed numbers·
- Decoding word problems with fractions

Ratios and proportional relationships (3 hours)

- Differentiating between ratios and fractions
- Using proportions in problem solving
- Measurement conversions using proportions
- Proportions and map scales

Percentages and applications (6 hours)

- Meaning of percent
- Whole, part, and percent computation
- Using proportion to solve percent problems
- Simple interest
- One step and multistep problems including discounts and simple interest

Total hours: 20

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

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liason?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No

If yes, in what areas were these changes made:

No Value

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