ABSE121 : Basic Algebra Review

General Information

Author:	• Jesus Carino
Course Code (CB01) :	ABSE121
Course Title (CB02) :	Basic Algebra 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) :	CCC000607326
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 121 offers students a review of algebraic reasoning and modeling. Students study integers, scientific notation, slope, linear functions and equations, graphing techniques, and quadratic equations. Students build on algebraic vocabulary and develop problem-solving skills. Lecture 20 hours. Note: This is a noncredit open-entry, open-exit course. This course is Pass/No Pass only.
Justification:	Mandatory Revision
Academic Career:	• Noncredit
Mode of Delivery:	• In-Person • Remote • Hybrid
Author:	• Jesus Carino
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)

One level 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

- Write paragraphs at the low-intermediate level with sufficient unity.
- 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.
- Respond to questions about recorded and live speeches, dialogues, role plays, and lectures.
- Decode 2,500-word reading passages, respond to inference and recall questions, and utilize a monolingual English dictionary to advantage.

Entry Standards

Entry Standards	Description
Perform basic arithmetic operations (addition, subtraction, multiplication, division).	No Value

Compute problems dealing with integers, fractions, decimals, and percent.	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
Methods of Instruction	Demonstrations

Out of Class Assignments

- Applied practice

Methods of Evaluation	Rationale
Other	Class participation

Exam/Quiz/Test	Quizzes
Exam/Quiz/Test	Exit assessment

Textbook Rationale

The OER is the primary resource, while the textbook is intended to serve as a supplemental resource. Furthermore, 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 2: Focus on Problem Solving	New Reader Press	2015	978-1-56420-692-3

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

Description	OpenStax - College Algebra 2e with Corequisite Support
Author	Jay Abramson, and Sharon North
Citation	(OpenStax | Free Textbooks Online With No Catch, n.d.)
Online Resource(s)	Digital ISBN-13: 978-1-951693-46-6

Learning Outcomes

Course Objectives

Solve equations and inequalities with one-variable including using coefficients represented by letters.

Identify the effects on a graph by changing part of a function.

Solve quadratic equations by graphing, factoring, square root property, and completing the square.

Utilize linear and quadratic equations to solve industry related problems.

Develop fluency in algebraic terminology.

SLOs

Apply algebraic principals and techniques. 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 NCR Adult Basic Education	Compute and solve real world problems using basic operations with whole numbers, fractions, decimals, and percents.

Solve linear and quadratic equations and inequalities. 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

Numbers and properties (3 hours)
- Number line and signed numbers
- Absolute value
- Scientific notation
- Powers and roots

Operating with radicals (3 hours)
- Adding and subtracting radicals
- Multiplying and dividing radicals
- Order of operations

Algebra basics (4 hours)
- Algebraic expressions including polynomials
- Simplify polynomials
- Add and subtract polynomials
- Multiply and divide polynomials

Linear equations (5 hours)
- Equations and equation word problems
- Linear inequalities
- Graphing linear equations
- Solving slope problems

Quadratic expressions and solutions (5 hours)
- Quadratic expressions
- Solving quadratic problems
- Graphing quadratic expressions
- Algebra word-problem solving

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):

No Value

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?

Yes

If yes, who is your departmental library liason?

Shelley Aronoff (ESL-Noncredit, Noncredit Business & Life Skills)

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