

ABSE30 : LIFE SCIENCE 1A

General Information

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Course Code (CB01) :	ABSE30
Course Title (CB02) :	LIFE SCIENCE 1A
Department:	ABSE
Proposal Start:	Fall 2025
TOP Code (CB03) :	(4930.62) Secondary Education (Grades 9-12) and G.E.D.
CIP Code:	(53.0201) High School Equivalence Certificate Program.
SAM Code (CB09) :	Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	Yes
Course Control Number (CB00) :	CCC000321284
Curriculum Committee Approval Date:	04/09/2025
Board of Trustees Approval Date:	07/16/2024
Last Cyclical Review Date:	05/08/2024
Course Description and Course Note:	ABSE 30 is a high school level course designed to give an overview of life science from cells through the plant kingdom. It includes the characteristics of life, cells structure and function, heredity, evolution, and the classification of plants. This is the first half of a one-year course. Laboratory 100 hours. Note: This is a self-paced course in an open-entry, open-exit lab environment. Successful completion of the course results in 5 high school credits.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Noncredit
Mode of Delivery:	<ul style="list-style-type: none">Online
Author:	No value
Course Family:	No value

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Interdisciplinary-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

- Grade 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 100

Total Course Out-of-Class Hours 0

Total Student Learning Hours 100

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	0	0
Laboratory Hours	100	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	0
Laboratory	100
Studio	0

Total 100

Course Out-of-Class Hours

Lecture	0
Laboratory	0
Studio	0
Total	0

Time Commitment Notes for Students

This is a self-paced course in an open-entry, open-exit lab environment.

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
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 Collaborative Learning

Methods of Instruction Multimedia

Methods of Instruction Independent Study

Out of Class Assignments

N/A

Methods of Evaluation

Rationale

Exam/Quiz/Test

Unit exams and quizzes

Other

Completion of individualized contract

Textbook Rationale

OER resources updated. No new common core textbook.

Textbooks

Author	Title	Publisher	Date	ISBN
Craig, P.J., Berwald, Juli	Life Science	Glencoe/McGraw-Hill	2011	978-0078880025

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

Description CK-12 Life Science for Middle School FlexBook

Author CK-12

Citation CK-12. (2019, March 1). CK-12 Life Science for Middle School. CK-12. <https://www.ck12.org/teacher/>

Online Resource(s) No value

Description

Instructor-generated materials covering discipline topics, along with duplicate booklets from books obtained with copyright permission.

Author No value

Citation No value

Online Resource(s) No value

Learning Outcomes

Course Objectives

Identify the structure and function of cells and cell parts.

Describe the life cycle of cells.

Explain how traits are inherited.

Describe the theories of evolution and the evidence supporting them.

Identify the impact bacteria have on the environment and on human beings.

Compare and contrast the categories of protists and fungi.

Compare and contrast seed and seedless plants.

SLOs

Explain cell and organism evolution and the processes required to reproduce.

Expected Outcome Performance: 70.0

ABSE
Core
PLOs

Apply the skills that the Common Core Standards have identified for each course.

ILOs
Core
ILOs

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

Analyze plant processes and plant reproduction relating to ecosystem development.

Expected Outcome Performance: 70.0

ABSE
Core
PLOs

Apply the skills that the Common Core Standards have identified for each course.

ILOs
Core
ILOs

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

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

No value

Laboratory/Studio Content

Overview of Living Things (6 hours)

- Distinguish between living and nonliving things
- Needs of living things
- Spontaneous generation and biogenesis

Classification of Living Things Cells (8 hours)

- Structure and function of organelles
- Cell theory
- Viruses

Cell Processes (8 hours)

- Organic versus inorganic compounds
- Osmosis and passive/active transport
- Photosynthesis, respiration, and fermentation

Cell Reproduction (8 hours)

- Cell division and mitosis
- Sexual reproduction and meiosis

DNA Heredity (7 hours)

- History of the study of genetics
- Genetics since Mendel
- Advances in genetics

Theory of Evolution (7 hours)

- Concepts involved in evolutionary theory
- Evidence of evolution
- Evolution of primates

Bacteria (9 hours)

- Characteristics of bacteria
- Impact of bacteria on humans and the environment

Protists and Fungi (9 hours)

- Characteristics and categories of protists

Characteristics and Categories of Fungi Plants (10 hours)

- Plant characteristics
- Vascular and nonvascular plants
- Seedless plants
- Seed plants structure and function of roots, stems, and leaves gymnosperms and angiosperms monocots and dicots

Plant Reproduction (10 hours)

- Stages in plant life cycle
- Seedless reproduction
- Seed reproduction

Plant Processes (10 hours)

- **Photosynthesis and respiration**
- Tropism
- Plant hormones

Ecology: Ecosystems (8 hours)

- Community evolution and climax communities
- Biomes and organisms' adaptations
- Aquatic ecosystems

Total Hours: 100**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/liasons>):

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