ABSE63 : Science for the GED/HiSET

General Information

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Course Code (CB01) :	ABSE63
Course Title (CB02) :	Science for the GED/HiSET
Department:	ABSE
Proposal Start:	Spring 2024
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?:	No
Course Control Number (CB00) :	CCC000642796
Curriculum Committee Approval Date:	12/13/2023
Board of Trustees Approval Date:	01/09/2024
Last Cyclical Review Date:	12/13/2023
Course Description and Course Note:	ABSE 63 is a preparation course that teaches students to think critically while learning more about the Life, Physical, Earth, and Space Sciences. This course focuses on the understanding of the scientific method, comprehension of science related texts, and the use of data and statistics in science. Students will receive the necessary skills to successfully pass the science section of the GED/HiSET.
Justification:	New Course
Academic Career:	• Noncredit
Author:	• Maria Czech

Academic Senate Discipline

Primary Discipline:	• Biological Sciences
Alternate Discipline:	• Chemistry
Alternate Discipline:	• Physical Sciences

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

Transferability & Gen. Ed. Options

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	0
Total Course Out-of-Class Hours	0
Total Student Learning Hours	32

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	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	32

Laboratory	0
Studio	0
Total	0

Course Out-of-Class Hours

Lecture	0
Laboratory	0
Studio	0
Total	0

Time Commitment Notes for Students

Students arrange their own time commitment appropriate for the amount of study needed to pass the High School Equivalency exam in Social Studies.

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Advisory

ABSE10 - BASIC ENGLISH

Objectives

- Write a grammatically-correct and complete sentence.
- Use a variety of sentence structures within a composition.
- Write a paragraph which includes a topic sentence and appropriate supporting sentences.

AND

Advisory

ABSE50 - BASIC READING

Objectives

- Recognize and read aloud the 100 most common vocabulary words.
- Read and locate details in a passage equivalent to grade level six.
- Identify the stated or unstated main idea at a sixth grade level.
- Correctly answer comprehension and analysis questions.
- Analyze date presented in diagrams, charts, and graphs.

AND

Advisory

ABSE186 - Essentials in Reading and Writing 1

Objectives

- Comprehend both literature and information-based texts at a high school level.
- Utilize various strategies to develop active reading habits.
- Read and locate details in a passage and identify the stated or unstated main idea.
- Articulate answers to comprehension and analysis questions.
- Demonstrate sentence variation, coherence, and unity within a paragraph.

OR

Advisory

ESL40 - ENGLISH AS A SECOND LANGUAGE LEVEL 4

Objectives

- Demonstrate mastery of grammatical structures studied at a level sufficient to pass unit tests and the divisional grammar mastery test for this level.

- Write a three-paragraph composition that contains an introductory paragraph, a body, and a conclusion.
- Converse at a functional level adequate for everyday use on the campus and in the community.
- Demonstrate understanding of the majority of face-to-face speech, recorded, and live dialogues in standard dialect at a normal rate, although some repetition may be required.
- Decode 3,000-word reading passages, identify main ideas and supporting details, make inferences, and summarize short passages.
- Approximate standard American pronunciation well enough to be understood by typical fluent speakers of English.

Entry Standards

Entry Standards

No value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Methods of Instruction	Discussion
Methods of Instruction	Tutorial
Methods of Instruction	Independent Study
Methods of Instruction	Collaborative Learning
Methods of Instruction	Demonstrations

Out of Class Assignments

Not Applicable

Methods of Evaluation	Rationale
Exam/Quiz/Test	Short self checking quizzes as formative assessment
Exam/Quiz/Test	Ability to pass the GED/HiSET practice test for Science

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Jonathan Cox	HiSET Prep Book 2023-2024: 800+ Practice Questions, HiSET Test Study Guide for All Subjects 1st Edition	Accepted, INC.	2023	978-1637982846
Caren Van Slyke	GED Test Prep Plus 2022-2023	Kaplan	2021	978-1506277356

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

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Comprehend Scientific Presentations.

Use the Scientific Method.

Solve problems using scientific information and scientific evidence.

Express, apply, and analyze Scientific information.

Interpret tables, charts, and diagrams.

Apply mathematical formulas to scientific activity.

Use Statistics and Probability in scientific contexts.

SLOs

Interpret, apply, analyze, and evaluate concepts within science texts. Expected Outcome Performance: 70.0

Pass the GED / HiSET readiness test with 75% accuracy. Expected Outcome Performance: 70.0

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

Life Science (14 hours)

- Cell structures and functions
- Cell processes and energy
- Human body systems
- Health Issues
- Reproduction and heredity
- Modern Genetics
- Plants and photosynthesis
- Evolution and natural selection
- Organization of ecosystems

Physical Science (10 Hours)

- Atoms and molecules
- Properties and states of matter
- Chemical reactions and equations
- The nature of energy
- Motion and forces
- Electricity and magnetism

Earth and Space (8 hours)

- Structure of Earth
- Earth's resources
- Weather and Climate
- Earth in the Solar System
- The expanding Universe

Total hours: 32