

CATALOG INFORMATION

Dept and Nbr: ADLTED 531 Title: AC SKIL/ GED PREP/SCI 1
Full Title: Basic Academic Skills and GED Preparation--Science 1
Last Reviewed: 11/13/2017

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	6	Lecture Scheduled	0
Minimum	0	Lab Scheduled	3.00	3	Lab Scheduled	18.00
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	18.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 18.00

Title 5 Category: Non-Credit
Grading: Non-Credit Course
Repeatability: 27 - Exempt From Repeat Provisions
Also Listed As:
Formerly:

Catalog Description:
Instruction and individualized learning plans are provided for preparation for the GED and other High School Equivalency (HSE) tests. Course also provides academic skills development in preparation for: credit science courses; Career Technical Education (CTE) classes; and Basic Academic Skills Certificate of Completion. First level of science course covers the Life Sciences, as determined through initial assessment.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Instruction and individualized learning plans are provided for preparation for the GED and other High School Equivalency (HSE) tests. Course also provides academic skills development in preparation for: credit science courses; Career Technical Education (CTE) classes; and Basic Academic Skills Certificate of Completion. First level of science course

covers the Life Sciences, as determined through initial assessment. (Non-Credit Course)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:		Effective:	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Certificate Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Demonstrate comprehension of basic academic, workplace, and recreational reading of science through discussion and/or brief written responses
2. Demonstrate expanded scientific vocabulary through discussion and/or brief written responses
3. Describe common concepts in the Life Sciences

Objectives:

Upon completion of the course, students will be able to:

1. Describe and explain key concepts in the Life Sciences;
2. Analyze graphs and charts related to the Life Sciences;
3. Study for the GED or other HSE tests.

Topics and Scope:

I. Structures and Processes

- A. DNA
- B. Interacting Body Systems
- C. Homeostasis and Feedback
- D. Mitosis and Cell Differentiation
- E. Amino Acids
- F. Photosynthesis
- G. Cellular Respiration

II. Ecosystems

- A. Carrying capacity of an ecosystem

- B. Biodiversity and populations
- C. Socialization within populations
- D. Flow of energy in an ecosystem
- E. Models of energy flow
- F. Cycling of material in the biosphere
- G. Heredity
- H. Mendelian Genetics
- I. Punnett Squares
- III. Biological Evolution
 - A. Common ancestry and biological evolution
 - B. Natural selection
- IV. GED Practice Test
 - A. Multiple Choice
 - B. Extended Response Questions

Assignment:

1. Reading from assigned shorter texts, magazines, newspapers, and job-related materials focusing on scientific texts
2. Instructor-designed exercises and practice quizzes (4 - 6)
3. Scientific calculation problems (4 - 6)
4. Practice exam

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None

Writing
0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Scientific calculation problems

Problem solving
10 - 20%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations
0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Practice exam; quizzes

Exams
70 - 80%

Other: Includes any assessment tools that do not logically fit into the above categories.

Class participation

Other Category 10 - 20%

Representative Textbooks and Materials:

Instructor prepared materials

McGraw-Hill Education Science Workbook for the GED Test. McGraw-Hill Education. 2015

Kaplan GED Test Science 2015: Strategies, Practice, and Review. Van Slyke, Caren. Kaplan Publishing. 2015

Ciencias. Steck-Vaughn GED: Test Preparation 2014 for GED Science. Spanish Student Edition.

Houghton Mifflin Harcourt. 2014