ADLTED 531 Course Outline as of Summer 2018

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
Ciensias. Steck-Vaughn GED: Test Preparation 2014 for GED Science. Spanish Student Edition. Houghton Mifflin Harcourt. 2014