Biology, Part 2 (BIOL-043-301-001)

Science Biology, Part 2 Syllabus

Course Description

In this course, students will continue studying life but with a progressively wider lens by discovering the variety of life that has evolved, determining how to categorize different living things, and comparing how these living things interact with their environment. This is the second course in a two-part Biology series.

Prerequisites

It is recommended, but not required, that students take Biology, Part 1 prior to taking this course.

Course Materials

This course is self-contained, which means you do not need a separate biology book. There are video segments in each unit. These videos are important, and you will be tested on the information they contain. It will also be helpful to have access to the larger internet because many of the lessons point to websites that will increase your understanding of the material. While the websites will help you understand the topics better, all assignment and test questions will come exclusively from the course material. If a website is no longer accessible, you are welcome to enjoy learning about the concept by looking for other sites on the internet; however, you are not required to do so.

This course comprises both original content and materials from an open source online textbook. If you ever would like to know more about a particular topic, you may find additional material in the textbook.

Course Policies

For information about copyright, use of course content, accommodations, and general policies for Independent Study University courses, please refer to the Independent Study High School Course Policies page.

Course Outcomes

As students complete the course assignments, they will increase their knowledge, improve a 21st-century skill, and develop an attribute.

Knowledge: Biology

In this course, *knowledge* refers to the subject matter and content students will learn while completing the readings, practices, quizzes, and assignments.

On successful completion of this course, students will be able to do the following:

- Describe the basic history and principles of genetics.
- Explain evolution and natural selection.
- Define the various levels of the classification of living things.
- Describe the various systems of the body and plants and explain their functions.
- Explain ecology and ecological relationships.

21st-Century Skill: Critical Thinking—Design Thinking

As students complete this course's assignments, they will gain skills in *Design Thinking*. This skill is part of Critical Thinking.

Attribute: Responsibility

This course focuses on developing the attribute of *responsibility* in the context of Biology.

Grading and Assignments

The letter grade in this course will be based on these assignments and exams.

Assignment or Exam	Grading	Percent of Total Grade
Simulations and Homework	Computer-Graded	10%
Content Guides and Assignments	Teacher-Graded	50%
Unit Quizzes	Computer-Graded	20%
Final Exam*	Computer-Graded	20%

*Students must pass the final exam to earn credit for the course. They may retake the final exam once for a fee.

Simulations and Homework

You will complete three computer-graded homework assignments. Two of these are based on simulations. You may retake these as many times as needed.

Content Guides and Assignments

You will complete eight major assignments, which include Content Guides and an ongoing project on Reducing Human Impact. You will give multiple short presentations on biology topics.

Unit Quizzes

This course has six units of study. Each unit ends with a quiz on the unit content.

Final Exam

Students must pass the final exam to earn credit for the course; they may retake it once, for a fee, upon request. For information about resubmitting assignments and retaking the exam, please see Resubmissions and RetakesLinks to an external site.

Course Grade

The letter grade will be calculated according to these percentages.

Percent to Letter Grade Calculation	
A	100%–93%
A–	<93%–90%
B+	<90%–87%
B	<87%–83%
B–	<83%–80%
C+	<80%–77%
C	<77%–73%
C–	<73%–70%
D+	<70%–67%
D	<67%–63%
D–	<63%–60%
F (fail)	<60%–0%