

BIOLOGY 2

Course Description

Biology is a branch of science that deals with living organisms and their vital processes. Biology literally means "the study of life". This course encompasses an overview of human body systems such as organ, integumentary, circulatory, digestive, nervous, endocrine, reproductive, muscular, skeletal, and excretory systems. This course will cover genetics, DNA, crime scene evidence, as well as evolution. Students will also complete a lab on organic materials.

Prerequisite

None

Credit Requirement Area

Science

Learning Objectives

- Students will explain the hierarchy of cells to organisms.
- Students will describe the various systems of an organism and explain their interdependence.
- Students will debate various theories of evolution.

Suggested Weekly Schedule

Week	Graded Activities	Suggested Due Date	% Points
1	Assessment 1: Animal Cells and Tissues	Monday of Week 1	25%
	Assessment 2: Animal Organ Systems and Homeostasis	Tuesday of Week 1	25%
	Assessment 3: The Integumentary System	Wednesday of Week 1	25%
	Assessment 4: The Circulatory System	Thursday of Week 1	25%
Week 1 Total Percentage Towards Final Grade			16.65%
2	Assessment 1: Lymphatic System and Immunity	Monday of Week 2	20%
	Assessment 2: The Digestive System	Tuesday of Week 2	20%
	Lab Assessment: Organic Molecules	Wednesday of Week 2	20%
	Assessment 3: The Nervous System	Thursday of Week 2	20%
	Assessment 4: The Endocrine System	Friday of Week 2	20%
Week 2 Total Percentage Towards Final Grade			16.65%
3	Assessment 1: The Reproductive System	Monday of Week 3	25%
	Assessment 2: The Muscular and Skeletal Systems	Tuesday of Week 3	25%
	Assessment 3: The Respiratory System	Wednesday of Week 3	25%

Week	Graded Activities	Suggested Due Date	% Points
	Assessment 4: The Excretory Systems	Thursday of Week 3	25%
Week 3 Total Percentage Towards Final Grade			16.65%
4	Assessment 1 & 2: Introduction to Genetics and Gene Interactions	Monday of Week 4	33.3%
	Assessment 3: DNA and Molecular Genetics	Tuesday of Week 4	33.3%
	Assessment 4: Human Genetics	Wednesday of Week 4	33.4%
Week 4 Total Percentage Towards Final Grade			16.65%
5	Assessment: Physical Evidence	Friday of Week 5	100%
Week 5 Total Percentage Towards Final Grade			16.75%
6	Assessment 1: Development of Evolutionary Theory	Monday of Week 6	25%
	Assessment 2: Modern View of Evolution	Tuesday of Week 6	25%
	Assessment 3: Paleobiology: Fossils and Time	Wednesday of Week 6	25%
	Assessment 4: Human Evolution	Thursday of Week 6	25%
Week 6 Total Percentage Towards Final Grade			16.65%
WEIGHTED TOTAL			100%