

## Biology, Part 2



### How to Take This Course

Complete all the quizzes and the assignment in each unit. Once the quizzes for a unit are complete, you will have access to the unit test. We recommend you complete the unit assignment before you attempt the unit test, the assignment will help you prepare. You will have access to the final when all unit tests are complete and your assignments are graded.

Allow 2-3 days for an assignment to be graded. Read the full course instructions to understand the course grading.

Instructions for the Course

How This Course Works & Suggested Timeline

Submitting Your Assignments

Ask The Teacher

Meet your teacher for this course and ask a question.

### Lab Requirement

This is a laboratory science course, all assignments in this course are mandatory. Each unit will have a written assignment, plus a lab. You need to complete each lab as directed, and submit your lab write up; as well as, complete the written assignment.

You do NOT have to purchase a lab kit, things you will need for the labs are common household items, NO specialist equipment is required.

### Unit 1. Fungi

Fungi are interesting and often misunderstood, and this unit will discuss fungi diversity and some of their relevant adaptations and traits.

1.1 Characteristics & Classification of Fungi

1.1 Quiz

1.2 Fungal Diseases

1.2 Quiz

1.3 Cool Fungi Adaptations

1.3 Quiz

Unit 1 Assignment: Pathogenic Microorganism Research Project

Unit 1 Lab Assignment: Exploring Fungi

### Unit 2. Plants

Aside from sustaining all animal life on earth, plants can do some amazing things, have extreme diversity, and have adapted bizarre traits. This unit covers plants and their interesting characteristics.

2.1 Plant Cell Review and Introduction to Kingdom Plantae

2.1 Quiz

2.2 Non-Vascular Plants

2.2 Quiz

2.3 Vascular Plants

2.3 Quiz

2.4 Cool Plant Adaptations

2.4 Quiz

Unit 2 Assignment: Plant Research Project

Unit 2 Lab Assignment: Exploring Plants and Plant Responses

### Unit 3. Invertebrates

Invertebrates are a vast and diverse group of organisms, and this unit digs deep into their unique and largely hidden world.

3.1 Sponges

3.1 Quiz

3.2 Cnidarians

3.2 Quiz

3.3 Worms

3.3 Quiz

3.4 Arthropods

3.4 Quiz

3.5 Molluscs & Echinoderms

3.5 Quiz

Unit 3 Assignment: Invertebrate Animals Research Project

Unit 3 Lab Assignments: Virtual Earthworm Dissection and Insects and Crime Scene Analysis

### Unit 4. Chordates

Many of the interesting animals that we see around us in nature are chordates, and this unit introduces them well.

4.1 Non-vertebrate Chordates

4.1 Quiz

4.2 Fish

4.2 Quiz

4.3 Reptiles and Birds

4.3 Quiz

4.4 Amphibians

4.4 Quiz

4.5 Mammals

4.5 Quiz

4.6 Animal Behavior

4.6 Quiz

Unit 4 Assignment: Vertebrate Animals Research Project

Unit 4 Lab Assignments: Virtual Frog Dissection and Interpreting Bird Response

### Unit 5. Human Anatomy

Learning should be relevant, and nothing can be more relevant than understanding the organism that you see in the mirror everyday. This unit covers human anatomy, a topic we should all know well.

5.1 Skeletal & Muscular Systems

5.1 Quiz

5.2 Integumentary & Nervous Systems

5.2 Quiz

5.3 Circulatory & Respiratory System

5.3 Quiz

5.4 Digestive & Excretory System

5.4 Quiz

5.5 Endocrine & Reproductive System

5.5 Quiz

5.6 The Immune System

5.6 Quiz

Unit 5 Assignment: Human Anatomy and Physiology Chart

Unit 5 Lab Assignment: Heart Rate and Reaction Time

### Unit 6. Ecology

This unit focuses on how life is organized on this planet, how organisms interact, and how the many different species depend on one another.

6.1 The Biosphere

6.1 Quiz

6.2 Ecosystems & Communities

6.2 Quiz

6.3 Populations

6.3 Quiz

6.4 Human Impacts

6.4 Quiz

Unit 6 Assignment - The Biome Research Project

Unit 6 Lab Assignment: Modeling Populations, Estimating Population Size, and Scavenger Hunt

Unit 6 Test

**Restricted** Not available unless:

- The activity **6.1 Quiz** is marked complete
- The activity **6.2 Quiz** is marked complete
- The activity **6.3 Quiz** is marked complete
- The activity **6.4 Quiz** is marked complete

### The Final Exam

Complete all of the assignments and unit tests in this course. Once they are complete and the assignments have been graded, the Final will appear below the Practice Final.

**Warning:** You have only ONE attempt at the Final. There is a 3 hour time limit.

Are you ready to take the Final? We highly recommend you take the Practice Final first and if you are weak in any area, review the relevant course material again. You have unlimited attempts at the practice final; it will help you to prepare.

Good Luck!!

Practice Final Exam

### Course Completion

The "Certificate" and "Request a Course Completion Record" links below are not active, they cannot be accessed until you have completed the final. Upon satisfying this requirement, the links will become active and you can use them.

Before you go, we would appreciate your opinion on the course, please take 1 minute to complete the feedback form. We hope you enjoyed this course!

Course Feedback

Thank you for taking this course! Let us know what you think about it.

Request a Transcript

If you need SVHS to send proof of your course completion directly to your school, complete this form.

If you need a hard copy mailed to your school please make a note of this on the form, use the field 'instructions for SVHS'. Don't forget to provide the mailing address of your school.

**Restricted** Not available unless: The activity **Final Exam** is marked complete

Certificate of Completion

**Restricted** Not available unless: The activity **Final Exam** is marked complete