Course Requirements – Introduction to Biology

Overview

Welcome to your TEL Library online course, Introduction to Biology! This course requirements document will guide you through the assignments necessary to complete this course. In general, to earn credit for your TEL Library course, you must:

- Complete each lesson’s Check Your Knowledge exercise
- Submit all Evidence assignments and take each Module Quiz
- Take Exam 1 and Exam 2, utilizing a proctoring service

Before diving into your course’s assignments, let’s go over the different types of assignments you will find in a TEL Library course.

Check Your Knowledge

Each lesson you complete will typically contain a Check Your Knowledge exercise designed to help you digest the key topics of a lesson. Students have unlimited opportunities to take these exercises, but earn participation points the first time the exercise is completed.

Module Quiz

Each module you complete will typically contain a Module Quiz. The Module Quiz contains 20-35 multiple choice questions covering the module’s content. Students will only be able to take each quiz once.

Evidence

The Evidence assignment is a written assignment that asks students to do a deeper dive on a module topic.
Exams

Each course contains two exams containing an average of 50-60 multiple choice questions apiece. To earn credit for taking these exams, students must utilize a proctoring service.

Getting Started

Each module below is listed with its associated assignments.

Module 1: The Study of Life

Graded Assignments

Module 1 Quiz
Module 1 Evidence

Participation Assignments

Check Your Knowledge: The Science of Biology
Check Your Knowledge: The Process of Science
Check Your Knowledge: The Branches of Biology
Check Your Knowledge: Characteristics of Living Things

Module 2: The Cell

Graded Assignments

Module 2 Quiz
Module 2 Evidence

Participation Assignments

Check Your Knowledge: How Cells Are Studied
Check Your Knowledge: Prokaryotic and Eukaryotic Cells
Check Your Knowledge: The Endomembrane
Check Your Knowledge: Plant Cell vs. Animal Cell
Module 3: Capturing and Converting Energy

**Graded Assignments**
- Module 3 Quiz
- Module 3 Evidence

**Participation Assignments**
- Check Your Knowledge: Energy and Metabolism
- Check Your Knowledge: Glycolysis
- Check Your Knowledge: Citric Acid Cycle and Oxidative Phosphorylation
- Check Your Knowledge: Anaerobic Respiration
- Check Your Knowledge: Photosynthesis
- Check Your Knowledge: Light-Dependent Reactions
- Check Your Knowledge: Light-Independent Reactions

Module 4: Cell Growth, Reproduction and Heredity

**Graded Assignments**
- Module 4 Quiz
- Module 4 Evidence

**Participation Assignments**
- Check Your Knowledge: Prokaryotic Cell Division
- Check Your Knowledge: Cell Cycle
- Check Your Knowledge: Cancer and the Cell Cycle
- Check Your Knowledge: Meiosis I
- Check Your Knowledge: Meiosis II
- Check Your Knowledge: Sexual Reproduction
Check Your Knowledge: Errors in Meiosis

Module 5: Patterns of Inheritance

Graded Assignments

Module 5 Quiz
Module 5 Evidence

Participation Assignments

Check Your Knowledge: Mendel's Experiments and the Laws of Probability
Check Your Knowledge: Characteristics and Traits
Check Your Knowledge: Laws of Inheritance
Check Your Knowledge: Chromosomal Theory and Genetic Linkage

Module 6: Genetics

Graded Assignments

Module 6 Quiz
Module 6 Evidence

Participation Assignments

Check Your Knowledge: Structure of DNA
Check Your Knowledge: DNA Replication
Check Your Knowledge: Transcription
Check Your Knowledge: Translation
Check Your Knowledge: Genetic Engineering and Biotechnology

Module 7: Evolutionary Processes

Graded Assignments

Module 7 Quiz
Module 7 Evidence
Exam

Exam 1

Participation Assignments

Check Your Knowledge: Understanding Evolution
Check Your Knowledge: Formation of New Species
Check Your Knowledge: Population Genetics
Check Your Knowledge: Biological Evidence
Check Your Knowledge: Common Misconceptions about Evolution
Check Your Knowledge: Organizing Life on Earth

Module 8: Populations and Communities

Graded Assignments

Module 8 Quiz
Module 8 Evidence

Participation Assignments

Check Your Knowledge: Population Demographics and Dynamics
Check Your Knowledge: Population Growth and Control
Check Your Knowledge: Interactions within and between communities
Check Your Knowledge: Human Population Growth

Module 9: Ecology and the Biosphere

Graded Assignments

Module 9 Quiz
Module 9 Evidence

Participation Assignments

Check Your Knowledge: Energy Flow Through an Ecosystem
Check Your Knowledge: Biogeochemical Cycles: Water, Nitrogen, and Sulfur
Module 10: Conservation Biology and Biodiversity

Graded Assignments

Module 10 Quiz
Module 10 Evidence

Participation Assignments

Check Your Knowledge: The Biodiversity Crisis
Check Your Knowledge: The Importance of Biodiversity to Human Life
Check Your Knowledge: Threats to Biodiversity
Check Your Knowledge: Preserving Biodiversity