

# **Introduction to Evolutionary Biology: BIO 200**

## **LECTURE 1 – What is Evolutionary Biology Notes**

### **What does evolution mean?**

- Evolution refers to the gradual change that occurs over time through various mechanisms.

### **Conservation Biology**

- The study of conservation biology focuses on the protection of endangered species from extinction and the negative impacts of invasive species on the environment.
- Invasive species are animals that cause harm to the ecosystem they are introduced to.

### **Medicine**

- Viruses are microorganisms that invade cells and cause infection.
- Vaccines are used to enhance the body's immune response against viruses.
- Sickle cell anemia is a genetic disorder where red blood cells have a crescent shape, leading to clogging in small blood vessels and shorter lifespan compared to normal red blood cells.

### **Agriculture**

- Food production is the process of converting raw ingredients into food products that are safe for human consumption.
- Pesticide reduction is the act of removing hazardous pesticides from food production processes.

# Evolutionary Biology Lecture Guide Bio200

**CH Cherryholmes**



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