

# THE UNIVERSITY OF CHICAGO

## DEPARTMENT OF BIOLOGY

### BIOL 101: GENERAL BIOLOGY

This course covers the fundamental principles of biology, including cell structure and function, metabolism, genetics, and evolution. It is designed for students with a strong background in science and mathematics.

The course is divided into several units, each focusing on a different aspect of biology. The first unit covers the history of biology and the scientific method. The second unit covers cell biology, including the structure and function of cells and organelles. The third unit covers metabolism, including the pathways of energy and matter. The fourth unit covers genetics, including the structure and function of DNA and the processes of inheritance. The fifth unit covers evolution, including the mechanisms of natural selection and speciation.

Students will learn to apply these principles to understand the diversity of life and the processes that govern it. The course includes lectures, laboratory experiments, and a final exam. Prerequisites include chemistry and mathematics. This course is required for students majoring in biology and is also recommended for students in other scientific fields.

