

Iqra University - Biology Catalog Fall 2025

Course Code: BIO 110

Course Title: Principles of Biology I

Credits: 4

Description: Cell biology, genetics, molecular biology, lab techniques.

Prerequisites: None

Instructor: Dr. Rosalind Franklin

Schedule: Tue/Thu 10:00 AM - 11:15 AM, Wed 2:00 PM - 4:50 PM (Lab)

Course Code: BIO 350

Course Title: Introduction to Computational Biology

Credits: 3

Description: Analysis of genomic sequences, protein structures, modeling systems.

Prerequisites: BIO 110, CS 101

Instructor: Dr. Francis Collins

Schedule: Mon/Wed 3:00 PM - 4:15 PM

Course Code: BIO 220

Course Title: Ecology and Environmental Biology

Credits: 3

Description: Ecosystem structure, biodiversity, conservation biology.

Prerequisites: BIO 110

Instructor: Dr. Rachel Carson

Schedule: Tue/Thu 1:00 PM - 2:15 PM

Course Code: BIO 310

Course Title: Genetics

Credits: 3

Description: Mendelian and molecular genetics, gene mapping, population genetics.

Prerequisites: BIO 110

Instructor: Dr. Thomas Hunt Morgan

Schedule: Mon/Wed/Fri 9:00 AM - 9:50 AM

Course Code: BIO 420

Course Title: Neurobiology

Credits: 3

Description: Neural signaling, brain function, neurophysiology and disorders.

Prerequisites: BIO 110

Instructor: Dr. Eric Kandel

Schedule: Tue/Thu 11:30 AM - 12:45 PM