Iqra University - Mathematics Catalog Fall 2025

Course Code: MATH 150

Course Title: Calculus I

Credits: 4

Description: Differentiation, limits, optimization, curve sketching.

Prerequisites: Pre-Calculus

Instructor: Professor Isaac Newton

Schedule: Mon/Wed/Fri 9:00 AM - 9:50 AM, Thu 9:00 AM - 9:50 AM (Lab)

Course Code: MATH 210

Course Title: Linear Algebra

Credits: 3

Description: Matrices, vectors, eigenvalues, eigenvectors, orthogonality.

Prerequisites: MATH 150

Instructor: Dr. Gilbert Strang

Schedule: Tue/Thu 11:00 AM - 12:15 PM

Course Code: MATH 230

Course Title: Discrete Mathematics

Credits: 3

Description: Logic, set theory, combinatorics, graph theory, Boolean algebra.

Prerequisites: MATH 150

Instructor: Professor Paul Erdös

Schedule: Mon/Wed/Fri 1:00 PM - 1:50 PM

Course Code: MATH 310

Course Title: Probability and Statistics

Credits: 3

Description: Probability distributions, statistical inference, regression analysis.

Prerequisites: MATH 210

Instructor: Dr. John Tukey

Schedule: Tue/Thu 9:30 AM - 10:45 AM

Course Code: MATH 320

Course Title: Differential Equations

Credits: 3

Description: First and second-order differential equations, modeling applications.

Prerequisites: MATH 210

Instructor: Professor Leonhard Euler

Schedule: Mon/Wed 2:00 PM - 3:15 PM