

**DEPARTMENT OF MATHEMATICS,**

**UNIVERSITY OF KARACHI,**

**Course Outline**

**MATH 622: ALGEBRIC TOPOLOGY – II**

Course contents:

Homology theory of simplicial and chain complexes. Singular homology theory, Exact Homotopy sequences.

**Books Recommended:**

1. Spanier, E. H., Algebraic Topology, McGraw Hill, 1982.
2. Hilton, P. J. and Wiley, Introduction to Homology Theory, C.U.P., 1987.