DEPARTMENT OF MATHEMATICS,

UNIVERSITY OF KARACHI,

Course Outline

MATH 621: ALGEBRIC TOPOLOGY - I

Course contents:

Categories and functors. Homotopy, fundamental group and covering spaces. Simplical complexes and approximations.

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.