DEPARTMENT OF MATHEMATICS,

UNIVERSITY OF KARACHI,

Course Outline

MATH 648: PROJECTIVE GEOMETRY - II

Course contents:

Projective geometry of three dimensions, point, straight line and plane. Duality, cross ratios, Quadric surfaces. Line geometry. Twisted cubic.

Books Recommended:

- 1. Maxwell, E. A., Methods of Plane Projective Geometry, C.U.P., 1993
- 2. Maxwell, E. A., General Homogenous CO-ordinates in Space of Three Dimensions. C.U.U.,1999
- 3. Sample, J. G. and Kenton, G. T., Algebraic Projective Geometry, C.U.P., 1987