ACOL 215 (01 Sept. 2025) Digital logic and System Design Representation Basic set theory

a collection of distinct objects Union Subset Intersection Supersets Set difference Power set of a set elements Ordered pairs

relation Binary S(a,b)m = wand n = b ther m equivalence relations reflexive symmetric transitive antisy mmetric meflexine

Partially ordered set reflexive transitive antisymmetric

det S be a partially ordered set and PCS, then an element s e S is an upper bound | of Piff ApeP, PSS. least lupper? lower bound greatest lower bound

dattice A partially ordered set in which every pair of elements has a unique greatest lower bound and a unique teart upper bound is called a Cathice.

