MATH3315 - Discrete Mathematics and Combinatorics

**MATH 3315** Discrete Mathematics and Combinatorics (3 semester credit hours) This course covers basic tools of enumerative combinatorics, equivalence relations, combinatorial proofs and recurrences, inclusion-exclusion, generating functions, and graphs and trees. Credit cannot be received for both courses, **CS 2305** and **MATH 3315**. Prerequisite: (MATH 2417 or equivalent) or instructor consent required. (3-0) Y