CS3305 - Discrete Mathematics for Computing II

CS3305 Discrete Mathematics for Computing II (3 semester credit hours) Advanced counting methods; recurrence relations, divide and conquer algorithms, principle of inclusion and exclusion. Partial orders and lattices, Algorithmic complexity. Graph theory. Strings and languages. Number theory. Elements of modern algebra. Credit cannot be received for both courses, CS3305 and SE3306. Double majors are required to take CS3305. Prerequisites: (CE2305 or CS2305 or TE2305) with a grade of C or better, and (MATH2414 or MATH2419). (3-0) S