CS4349 - Advanced Algorithm Design and Analysis

**CS 4349** Advanced Algorithm Design and Analysis (3 semester credit hours) Asymptomatic analysis, recurrences, and graph algorithms. Algorithm design techniques such as greedy method, dynamic programming, and divide-and-conquer. Issues from computational complexity. Course emphasizes a theoretical approach. Prerequisites: **CS 3305** with a grade of C or better, and *(CE 3345 or CS 3345 or SE 3345 or TE 3345)*. (3-0) S