SE 4352 - Software Architecture and Design

SE 4352 Software Architecture and Design (3 semester credit hours) Introduction to software design with emphasis on architectural design. Models of software architecture. Architecture styles and patterns, including explicit, event-driven, client-server, and middleware architectures. Decomposition and composition of architectural components and interactions. Use of non-functional requirements for tradeoff analysis. Component based software development, deployment and management. Prerequisites: SE 3306 and (CE 3354 or CS 3354 or SE 3354) or instructor consent required. (3-0) S