CSC 280. Advanced Computer Architecture. Introduction to parallel architecture covering computer classification schemes, fine and coarse grain parallelism, processor interconnections, and performance issues of multiprocessor systems. Includes parallel and pipelined instruction execution, structure of multiprocessor systems, memory hierarchy and coherency in shared memory systems, programming issues of multiprocessor systems, arithmetic pipeline design, and design for testability. Prerequisite: CSC 205 and fully classified graduate status in Computer Science or Software Engineering. Cross-listed as EEE 280; only one may be counted for credit. 3 units.