EEDG 7304 (CE 7304) Advanced Computer Architecture (3 semester credit hours) Advanced research topics in multiprocessor, GPU/GPGPU, storage-class non-volatile memory, main memory, network, and reconfigurable architectures. Focuses on current research in the area of computer system architecture to prepare students for a career in computer architecture research. Course will use articles from current technical literature to discuss relevant topics, such as digital signal processors, VLIW, and SIMD architectures, GPU and non-volatile memory architectures, low-power architectures, application-specific processors, and system on chip architectures. Prerequisites: CS 5348 and EEDG 6304 and knowledge of C/C++. (3-0) R (2016-02-06 00:10:04)