CDA-6939 Advanced Topics in Computer Architecture

Catalog Description
This course deals with selected special topics in computer architecture. (3 credits)

Prerequisites
Permission of the instructor

Type
Elective for M.S. and Ph.D. students

Course Objectives
Students will review the fundamental computer architecture topics, including Instruction-level parallelism, Data-level parallelism, and Thread-level parallelism, and learn the advanced topics, including Multi-processor, Multi-core, Multi-threading, and Warehouse-scale computers.

Topics
Instruction-level parallelism, Data-level parallelism, Thread-level parallelism
Multi-processor, Multi-core, Multi-threading, Warehouse-scale computers

Textbook
N/A

Last Update
Ming Zhao 9/15/2012