

# **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