

# SUMMER 2017

## Computer Science Special Topics

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**CS 491 – 201 / CS 591 – 201**

Monday, Wednesday, Friday

1:20 – 3:10 p.m.

EGRA 322

Instructor – Dr. Dunren Che

### **Intro to Big Data**

Course Description: This course introduces fundamental concepts of Big Data as well as tools and technologies for Big Data Management and Analytics. At the end of this course, the student will become familiar with what Big Data is; current challenges and opportunities faced by applications dealing with very large volumes of data; application and characteristics of Big Data; overview of algorithms used in big data management and analytics; and tools and technologies used for Big Data management and analytics. Practical hands-on exercises and projects are an integral part of the course as well as summarizing and presenting papers on latest research topics on Big Data (as an option mainly for graduate students and more research-oriented undergrads).

Prerequisite: CS 220

Textbooks: TBD