

SPRING 2018

Computer Science Special Topics

CS 491-7 / CS 586-1

Monday, Wednesday & Friday
12:00-12:50 PM
EGRA 320

Instructor – Sharon Huang

Pattern Recognition and Image Processing

An introduction to the area of pattern recognition and data science. This course will include introduction to basic and advanced theories, algorithms, and practical solutions of statistical pattern recognition. It covers bayesian learning, parametric and non-parametric learning, data clustering, component analysis, boosting techniques, sequential data, reinforcement learning, and deep learning with neural networks.

Prerequisite: CS 220 and Math 380 or consent of instructor.

Textbook: TBD