

Fall 2019 Computer Science Special Topics

CS 491-6 / CS 591-5

Tuesday/Thursday

3:35-4:50 PM

Location – EGRA 420

Instructor – Dr. Henry Hexmoor

Security in Cyber-Physical Systems

(Graduate Category 3)

The course covers introductory topics in cyber-physical systems security. The goal is to expose students to fundamental security primitives specific to cyber-physical systems and to apply them to a broad range of current and future security challenges. Various tools and techniques used by hackers to compromise computer systems or otherwise interfere with normal operations are explored including tools that are unique to interacting with cyber-physical systems.

Prerequisite: CS 306 or graduate standing.

Textbook: Knapp, E., and Langill, J.T., 2015. Industrial Network Security, 2nd Edition, Wiley Press.