

SPRING 2020

Computer Science Special Topics

CS 591-1 / CS 410-1

Monday, Wednesday, Friday
12:00-12:50 PM
EGRA 408

Instructor – Henry Hexmoor

Computer Security

(Graduate Category 3)

A broad overview of the principles, mechanisms, and implementations of computer security. Topics include cryptography, web security, certificates, email security, wireless security, VPN and firewalls, intrusion detection, access control, user authentication, biometrics, software security and malware. Hands-on assignments with practical tools and programming.

Prerequisite: CS 306 (grade of “C” or better) or approval of instructor.

Textbooks:

Stallings, William. *Cryptography & Network Security*, 6th edition, Pearson, 2012, ISBN: 9780133354690.

Pfleeger & Marquillies, *Security in Computing*, 5th edition, Prentice-Hall, 2015, ISBN: 9780134085043.