

# SPRING 2019

## Computer Science Special Topics

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### CS 591-1 / CS 410-1

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

Instructor – TBD

### 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*, 6<sup>th</sup> edition, Pearson, 2012, ISBN: 9780133354690.

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