

# FALL 2017

## Computer Science Special Topics

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### CS 591-2 / CS 410-1

Tuesday & Thursday

2:00-3:15 PM

EGRA 420

Instructor – Dr. Shiva Houshmand

### Computer Security

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.