# FALL 2016
# Computer Science
# Special Topics

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# CS 491-4 / CS 591-4

Tuesday & Thursday
2:00 – 3:15 PM
EGRA 420

## Instructor – Dr. Shiva Houshmand

## Current Topics in Computer Security

In this research-based course students are initially introduced to some basic concepts of computer security and cryptography. Subsequently, the instructor and students present the state-of-the-art and ongoing research results by exploring articles from well-known conferences and journals. Topics include but are not limited to: web security, authentication and passwords, privacy issues, mobile security, protocols and network security, cryptography, malwares, and etc.

**Prerequisite:** CS 306 & CS 330 with C or better, or Graduate Standing

**Textbooks:** *Security in Computing* by Charles P. Pfleeger and Shari Lawrence Pfleeger, 5th edition, Prentice Hall. ISBN: 9780134085043

*Handbook of Applied Cryptography* by Alfred J. Menezes, Paul C. van Oorschot and Scott A. Vanstone, CRC Press. ISBN: 978-0849385230