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
