CIS 5208 Social, Economic, and Policy Aspects of Cybersecurity

Catalog Description
The broader human context of cybersecurity, from the perspective of society, economics, and policy. (3 credits)

Prerequisites
SCIS Graduate Standing

Type
Required for MS in Cybersecurity

Course Objectives
Cybersecurity is not only a technical problem, as it occurs in the context of humans and human society. In this course, we will explore the implications of cybersecurity (and insecurity) for humans; for instance traditional expectations of privacy are radically transformed by social networking and digital surveillance. Conversely, we will explore how human factors affect cybersecurity, for as Bruce Schneier has written, “Only amateurs attack machines; professionals target people.”

Topics
- Privacy and anonymity
- Copyright and digital rights management
- Usability and psychology (e.g. phishing, passwords)
- Economics of cybersecurity (e.g. “lock-in” and “featuritis”)
- Social engineering
- Legal policies (e.g. HIPAA)
- Ethical issues in cybersecurity

Textbooks


Last Update
Geoffrey Smith, 1/24/2014.