# 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**

Hal Abelson, Ken Ledeen, and Harry Lewis, *Blown to Bits: Your Life, Liberty, and Happiness After the Digital Explosion,* http://www.bitsbook.com

Ross Anderson, *Security Engineering: A Guide to Building Dependable Distributed Systems*, http://www.cl.cam.ac.uk/~rja14/book.html

Bruce Schneier, *Secrets and Lies: Digital Security in a Networked World* (Wiley 2004)

**Last Update**
Geoffrey Smith, 1/24/2014.