

CS 370 Notes

Week 10

Computers in cybercrime

- source of the crime
- Tool used to commit crime
- Storage device of stolen goods...

Computer specific IP

- Data, Software, Digital content, Algorithms are all intellectual Property.

DMCA

- protect IP
- Exceptions for: fair use, reverse engineering, encryption research security testing, personal privacy

Laws Concerning Privacy and Security

- 4th Amendment - Patriot Act
- Wiretapping laws - Key Escrow / DES
- FOIA

Privacy terminology

- Anonymity: Cannot determine real user's identity
- Pseudonymity: Can make user accountable for resource use; like Anonymity, though
- Unlinkability: Can't tie multiple resource use instances to one user
- Unobservability: others cannot tell that a resource is being used

Cryptography

- has long been protected by USFC,

Compliance Pressure against Industry

- Sarbanes Oxley Act / SOX
- Gramm - Leach - Bliley Act / GLBA
- Health Ins. Port. and Accountability / HIPAA
- GLBA: Protect Nonpublic personal Informations / Financial Institutions
- HIPAA: Protect patient records for health-oriented companies

In the end it comes down to your Personal code/ethics