

LIS 385T.6 - 1.17.00

Information and Network Security

Introduction

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Introduction to Class

- Me
- You
- The Class
- Some thoughts on GSLIS
- The Security Field
- Jobs
- Questions

Introduction to Class

What's Funded

Which of the following IT budget areas are likely to increase this year?



Note: Multiple responses allowed.

DATA: INFORMATIONWEEK RESEARCH PRIORITIES Q1 2002 STUDY OF 300 BUSINESS-TECHNOLOGY EXECUTIVES

Class Goals

“Information Security is slowly moving from a black art to a more calculated science. However, the field is, for the most part, very young. Because of this, it is dotted with true experts and amazing phonies, with most people treading the middle ground. If you finish this book and truly grasp most of what has been discussed, you be ahead of the curve – no doubt about that.”

Maximum Security, p.23

Class Goals

- Familiarization and Education
- New Class – More structured approach this first time
- Basic Skills and Knowledge of Security Issues and Topics
- Flexibility and adaptability
- A challenge (not a Doty class yet, but I'm working on it...)
- Remember stuff <drumroll, please> AFTER the class is over...
- My own personal entertainment...
- This class is NOT Hacking 101

Intro to Assignments

- Textbook Readings
- Opening Discussions
- Additional Readings
- Topic Papers
- Final Project and Presentations

Summary Lecture

- Intro to Network Security
- OSI and TCP/IP
- Hackers, Threats, Attacks, and Vulnerabilities
- RSA
- “Passive” and “Active” Defenses; Cryptography
- Platform Security
- The Security Platform
- Privacy, Consulting, Training & Certification
- Hands-on/Shoulder Surfing Demonstrations

Preparation for Next Week

Readings from the texts:

- *Maximum Security*: Chapters 1-3, App. B
- *Secrets & Lies*: Introduction, Part 1 – The Landscape

Preparation for Next Week

Check out these web sites:

- www.eggcentral.com/
- www.securityfocus.com (Bugtraq archive)
- www.neohapsis.com (Greg Shipley's company)
- www.counterpane.com (Bruce Schneier's company)
- www.cisco.com/go/security (my company)