Course name (English) | Advanced Network Security
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Course ID: | -
No of units: | 3
Program: | Graduate
Prerequisites: | Computer Networks
Co-requisites: | 
Prepared by: | Mehdi Kharrazi

Outline

- Introduction to Network Security
- Threats and Attacks
- Firewalls
- IDS
- Denial of Service (DoS) attacks
- Worms
- Botnets
- Honeypots
- Spyware
- Phishing Attacks
- Traffic Analysis
- Anonymity
- Routing Security
- Network Forensics
- Wireless Security
- VoIP Security

References

12. Honeycomb — Creating Intrusion Detection Signatures Using Honeypots, C. Kreibich and J. Crowcroft. 2nd Workshop on Hot Topics in Networks (HotNets-II), 2003, Boston, USA.
14. CANTINA: A Content-Based Approach to Detecting Phishing Web Sites, Yue Zhang, Jason Hong, Lorrie Cranor, WWW 2007.