

## Hyperlinks to IA resources provided in CSC 433 Intrusion Detection taught by Dr. Allan Roth:

University of Illinois at Springfield 

Home Help Logout

My UIS Courses Library

Announcements Course Information Staff Information **Course Documents** Assignments Communication Discussion Board External Links Tools

Tools

Communication Course Tools Course Map

Control Panel

Refresh Detail View

Done

08FA- INTRUSION DETECTION-ONCAMPUS (083CSC43312738) > COURSE DOCUMENTS

### Course Documents

 **Coverage in IDS Ranum article**  
[Ranum\\_Coverage\\_in\\_IDS\\_White\\_Paper\\_final.pdf](#) (54.465 Kb)

 **Bace and Mell ID publ**  
[nist\\_ids.pdf](#) (860.646 Kb)  
NIST publication on Intrusion Detection

 **Extra Reading for class discussion**  
[kumar\\_spafford\\_a\\_pattern\\_matching\\_model\\_for\\_intrusion\\_detection.pdf](#) (199.986 Kb)  
A pattern matching model for misuse intrusion detection  
by Kumar and Spafford

 **Guide to Intrusion Detection Systems**  
NIST Publication  
<http://csrc.nist.gov/publications/nistpubs/800-94/SP800-94.pdf>

 **Testing Intrusion Detection Systems**  
NIST article  
<http://www.itl.nist.gov/lab/bulletns/bltnjul03.htm>

 **Great Source of Security Information**  
Sans.org is a great source of Security information in General and Intrusion Detection/Prevention Specifically  
<http://www.sans.org/resources/idfaq/?ref=3741>

 **Open Source for Intrusion Detection/Prevention Software**  
Source for the code and community rules for snort  
<http://www.snort.org/>

## Hyperlinks to IA resources provided in CSC 570 Security Policy taught by Dr. Allan Roth:

Screenshot of the University of Illinois at Springfield (UIS) website showing the Computer Security Division: Computer Security Resource Center (CSRC) and NIST websites.

The page displays the following content:

- Navigation:** My UIS, Courses, Library, Home, Help, Logout.
- Logos:** University of Illinois at Springfield, Computer Security Division, CSRC, Information Technology Laboratory, NIST National Institute of Standards and Technology.
- Menu:** Focus Areas, Publications, Advisories, Events, Site Map.
- Links:** CSRC Homepage, Publications Homepage, Special Publications page, Table of Contents for Special Publication 800-12:, Part I: Introduction & Overview, Table of Contents, Chapter 1: Introduction, Chapter 2: Elements of Computer Security, Chapter 3: Roles & Responsibilities, Chapter 4: [redacted].
- Section II. Management Controls:** Special Publication 800-12: An Introduction to Computer Security - The NIST Handbook.
- Chapter 5: COMPUTER SECURITY POLICY:**
- Text:** In discussions of computer security, the term *policy* has more than one meaning.<sup>45</sup> *Policy* is senior management's directives to create a computer security program, establish its goals, and assign responsibilities. The term *policy* is also used to refer to the specific security rules for particular systems.<sup>46</sup> Additionally, *policy* may refer to entirely different matters, such as the specific managerial decisions setting an organization's e-mail privacy policy or fax security policy.
- Note:** *Policy* means different things to different people. The term "policy" is used in this chapter in a broad manner to refer to important computer security-related decisions.
- Done:**

Screenshot of a course document page for CSC 570.

The sidebar menu includes:

- Announcements
- Course Information
- Staff Information
- Course Documents
- Assignments
- Communication
- Discussion Board
- External Links
- Tools

The main content area shows the following course documents:

- National Strategy to Secure Cyberspace**  
<http://www.whitehouse.gov/pcipb/>
- National Strategy for the Physical Protection of Critical Infrastructures and Key Assets**  
<http://www.whitehouse.gov/pcipb/physical.html>
- National Infrastructure Protection Plan and sector specific plans**  
[http://www.dhs.gov/xprevprot/programs/editorial\\_0827.shtml](http://www.dhs.gov/xprevprot/programs/editorial_0827.shtml)
- Homeland Security Presidential Directive 7**  
Subject: Critical Infrastructure Identification, Prioritization, and Protection  
<http://www.whitehouse.gov/news/releases/2003/12/20031217-5.html>

## **Hyperlinks to IA resources provided in CSC 570 Threat Management and Disaster Recovery taught by Dr. Allan Roth:**

08SP - THREAT MGMT/DISASTER RECOVERY-ONLINE (081CSC57012823) > COURSE DOCUMENTS

**Course Documents**

-  **NIST Special Publications**  
This folder includes  
NIST SP 800-30 Risk and Threat Management  
NIST SP 800-34 Disaster Recovery
-  **Mobile Device Risks**  
[mobile\\_device\\_risks.pdf](#) (4.668 Mb)  
From SearchMobileComputing.com
-  **Improving Risk Management Video**  
[ImprovingRiskManagement-Kim-Spafford.wmv](#) (5.765 Mb)

## **Hyperlinks to IA resources provided in CSC 438 System Security and Information Assurance Capstone taught by Dr. Allan Roth:**

08FA - SYS SECURITY & INFO ASSURANCE-ONLINE (083CSC43812643) > COURSE DOCUMENTS

**Course Documents**

-  **Information Source for CISSP Exam**  
The International Information System Security Certification Consortium is good source for Information Security information and is the organization that maintains the Certified Information Systems Security Professional (CISSP) among others.  
<http://www.isc2.org/>

## Hyperlinks to IA resources provided in CSC 570C Wireless Security taught by Dr. Lee:

The screenshot shows a course management system interface for CSC 570C. The top navigation bar includes links for Home, Help, and Logout. The left sidebar has sections for Announcements, Assignments, Lectures, Syllabus, Staff Information, Communication, Discussion Board, External Links (which is the active tab), and Tools. The main content area is titled "External Links" and contains several sections with hyperlinks:

- Research Article Sources**:
  - IEEE Xplore (<http://ieeexplore.ieee.org/Xplore>)
  - ACM Digital Library (<http://portal.acm.org/dl.cfm>)
- IEEE Standards**:
  - IEEE 802.11i-2004: Amendment 6: Medium Access Control (MAC) Security Enhancements (<http://standards.ieee.org/getieee802/download/802.11i-2004.pdf>)
  - IEEE 802.1X Port-Based Network Access Control (<http://standards.ieee.org/getieee802/download/802.1X-2004.pdf>)
- WPA**:
  - The Wi-Fi Alliance (<http://wi-fi.org/>)
  - WPA2 (Wi-Fi Protected Access 2) ([http://www.wi-fi.org/knowledge\\_center/wpa2](http://www.wi-fi.org/knowledge_center/wpa2))
- IETF RFCs**:
  - IETF RFC 2865 Remote Authentication Dial-In User Service (RADIUS) (<http://www.ietf.org/rfc/rfc2865.txt>)
  - IETF RFC 3748 Extensible Authentication Protocol (EAP) (<http://www.ietf.org/rfc/rfc3748.txt>)
  - IETF RFC 5246 The Transport Layer Security (TLS) Protocol Version 1.2 (<http://www.ietf.org/rfc/rfc5246.txt>)
  - IETF RFC 2716 PPP EAP TLS Authentication Protocol (<http://www.ietf.org/rfc/rfc2716.txt>)
  - IETF RFC 4186 Extensible Authentication Protocol Method for Global System for Mobile Communications (GSM) Subscriber Identity Modules (EAP-SIM) (<http://www.ietf.org/rfc/rfc4186.txt>)

## Hyperlinks to IA resources provided in CSC 570 Security in Computing taught by Dr. Braynov:

Blackboard Academic Suite - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Home Help Logout

Address http://bbarchives.uis.edu/webapps/portal/frameset.jsp?tab\_id=\_2\_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Ftype%3DCourse%26id%3D\_1347\_1%26url%3D

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**University of Illinois at Springfield UIS**

**Course Materials**

**Lecture 12: Backdoors and Trojans**

Address Resolution Protocol (ARP) :  
<http://www.erg.abdn.ac.uk/users/gorry/course/inet-pages/arp.html>

pslist command-line tool is available at:  
[www.sysinternals.com](http://www.sysinternals.com)

promiscdetect tools is available at:  
<http://ntsecurity.nu/toolbox/promiscdetect/>

Site devoted to the fine art of wrappers:  
[www.tlsecurity.net/exebinder.htm](http://www.tlsecurity.net/exebinder.htm)

Free MD5 hash function written by Luke Pascoe from New Zealand  
<http://www.md5summer.org/>

Task Manager won't allow you to kill processes that have certain names:  
<http://users.aber.ac.uk/anw1/processes.html>

**Lecture 11 - Backdoors**

Some useful tools I used in the lecture:

[AutoRuns: Lists all automatically starting tasks on your Windows NT/2000/XP](#)  
[Netcat for Windows](#)  
[FFPort: ports scanning tool](#)  
[TCPView: port scanner](#)

Articles about Windows Registry

[Definition of the RunOnce Keys in the Registry](#)  
[Description of the Microsoft Windows registry](#)

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Blackboard Academic Suite - Microsoft Internet Explorer

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Back Favorites

Address [http://bbarchives.uis.edu/webapps/portal/frameset.jsp?tab\\_id=\\_2\\_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Dtype%3DCourse%26id%3D\\_1347\\_1%26url%3D](http://bbarchives.uis.edu/webapps/portal/frameset.jsp?tab_id=_2_1&url=%2Fwebapps%2Fblackboard%2Fexecute%2Flauncher%3Dtype%3DCourse%26id%3D_1347_1%26url%3D) Go Links >

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**Lecture 10: Viruses and Worms**

[Slammed! \(Story of Slammer worm\)](#)

**An Undetectable Computer Virus**

[ChessWhite.pdf](#)

**S. Staniford et al., How to Own the Internet in Your Spare Time**

[cdc.pdf](#)

**N. Weaver, A Taxonomy of Computer Worms**

[taxonomy.pdf](#)

**Digging For Worms, Fishing For Answers**

[68.pdf](#)

**B. Wiley, Curious Yellow**

[malware\\_curious\\_yellow.pdf](#)

**Lecture 9: Malware, stack overrun, and viruses**

**Useful links for buffer overflow:**

[Smashing The Stack For Fun And Profit, Aleph One.](#)  
[Buffer Overflows: Attacks and Defenses for the Vulnerability of the Decade, Crispin Cowan, et al.](#)  
[StackGuard: Automatic Adaptive Detection and Prevention of Buffer-Overflow Attacks, Crispin Cowen, et al](#)

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Lecture 9: Malware, stack overrun, and viruses

Useful links for buffer overflow:

[Smashing The Stack For Fun And Profit](#), Aleph One.

[Buffer Overflows: Attacks and Defenses for the Vulnerability of the Decade](#), Crispin Cowan, et al.

[StackGuard: Automatic Adaptive Detection and Prevention of Buffer-Overflow Attacks](#), Crispin Cowan, et al.

Useful links for viruses:

[SecurityFocus](#)

[VirusList](#)

Malware

Standler, Ronald B. "[Examples of Malicious Computer Programs](#)." 2002.

Eugene Spafford. [A Failure to Learn from the Past](#). Annual Computer Security Applications Conference, 2003.

Daniel Geer, Rebecca Bace, Peter Gutmann, Perry Metzger, Charles Pfleeger, John Quartererman and Bruce Schneier. [CyberInsecurity: The Cost of Monopoly ? How the Dominance of Microsoft's Products Poses a Risk to Security](#)

Lecture 8: Steganography and Digital Watermarking

Fabien A. P. Petitcolas, Ross J. Anderson and Markus G. Kuhn. [Information Hiding - A Survey](#), Proceedings of the IEEE, special issue on protection of multimedia content, 87(7):1062|1078, July 1999.

Bender et al. [Techniques for Data Hiding](#). IBM Systems Journal, vol 35, nos 3&4, 1996

Fabien A. P. Petitcolas, Ross J. Anderson and Markus G. Kuhn. [Information Hiding - A Survey](#), Proceedings of the IEEE, special issue on protection of multimedia content, 87(7):1062|1078, July 1999.

[Steganography and digital watermarks - INFOSEC](#)

http://www.cl.cam.ac.uk/%7Efapp2/publications/ieee99-infohiding.pdf

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Standler, Ronald B. [Examples of Malicious Computer Programs](#). 2002.

Eugene Spafford. [A Failure to Learn from the Past](#). Annual Computer Security Applications Conference, 2003.

Daniel Geer, Rebecca Bace, Peter Gutmann, Perry Metzger, Charles Pfleeger, John Quarterman and Bruce Schneier. [CyberInsecurity: The Cost of Monopoly ? How the Dominance of Microsoft's Products Poses a Risk to Security](#)

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Bender et al. [Techniques for Data Hiding](#) IBM Systems Journal, vol.35, nos 3&4, 1996

Fabien A. P. Petitcolas, Ross J. Anderson and Markus G. Kuhn. [Information Hiding - A Survey](#), Proceedings of the IEEE, special issue on protection of multimedia content, 87(7):1062(1078, July 1999).

Steganography and digital watermarks - INFOSYSSEC

[Neil Johnson's page](#)

Lecture 7: SSL

[Netscape: SSL Version 3.0](#)

[Netscape: SSL](#)

[OpenSSL](#)

[SecureBlackBox](#)

## Hyperlinks to IA resources provided in CSC 564 Computer Security taught by Dr. Braynov:

Blackboard Academic Suite - Microsoft Internet Explorer

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My Course Archive Course Archive

TOPIC:SECURITY IN COMPUTING (061CSC57012019) > USEFUL LINKS EDIT VIEW

**Useful Links**

Some useful links

- [Security focus](#)
- [Phrack](#) Good reading for hackers, by hackers
- [Insecure.Org - Nmap Free Security Scanner, Tools & Hacking resources](#) be sure to check out Bugtraq
- [Ron Rivest's security links](#)
- [BSY's Security Related Net-Pointers.](#)
- [Computer Security Institute](#)
- [NIST Computer Security Division](#)
- [Ross Anderson's homepage](#)
- [Defcon.com](#)

Chapter 2 links

[Improving the security of your site by breaking into it](#), Dan Farmer, Wietse Venema.

[An Evening With Berferd, in which a Hacker is Lured, Endured, and Studied](#), Bill Cheswick

[Federal computer crime laws](#)

[Digital Millennium Copyright Act](#)

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Chapter 3 links

[NIST Computer Security Resource Center](#)

[CISSP and SSCP Open Study Guides](#)

[The ISO 17799 Service & Software Directory](#)

[The ISO 17799 Directory](#)

[The ISO 17799 Community Portal](#)

[Risk Management Guide for Information Technology Systems, Recommendations of the National Institute of Standards and Technology](#)

[Carnegie Mellon Software Engineering Institute](#)

[Handbook of Information Security Management, Domain 3, ?Risk Management and Business Continuity Planning.? Micki Krause and Harold F. Tipton, Editors \(CRC Press LLC\)](#)

[Security Metrics Guide for Information Technology Systems](#)

[Threat and Risk Assessment Working Guide](#)

[NCSA Security Policies and Procedures](#)

[SANS Institute Security Policy Project](#)

[Guide for Mapping Types of Information and Information Systems to Security Categories, Volume 1](#)

[Handbook of Information Security Management, Domain 4, Chapter 4-1-1,](#)

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## Hyperlinks to IA resources provided in CSC 564 Computer Security taught by Dr. Braynov:

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[Guide for Mapping Types of Information and Information Systems to Security Categories, Volume 1](#)

[Handbook of Information Security Management, Domain 4, Chapter 4-1-1, Information Classification: A Corporate Implementation Guide,? by Jim Appleyard \(CRC Press LLC\)](#)

[NIST Administrative Manual, Subchapter 11.02, ?Information Technology Security?](#)

[Information Security Management Handbook, Domain 3, Chapter 3-5-3, Information Protection: Organization, Roles, and Separation of Duties,? by Rebecca Herold \(CRC Press LLC, 2003\)](#)

**Chapter 4 links**

[!\[\]\(75b3a3558141cf7bf2f2fb05a8b33164\_img.jpg\) Prevent race conditions](#)

[\[Digital Identity in Cyberspace\]\(#\)](#)

[\[Biometrics consortium\]\(#\)](#)

[\[A One-Time Password System\]\(#\)](#)

[\[NIST: Smartcard\]\(#\)](#)

[\[Smart cards: A primer\]\(#\)](#)

[\[MIT:Kerberos\]\(#\)](#)

[\[Intrusion Detection Terminology \\(Part One\\)\]\(#\)](#)

[\[Honeynet\]\(#\)](#)

**Chapter 5 links**

[\[the\\\_reference\\\_monitor\\\_concept.pdf \\(63.961 Kb\\)\]\(#\)](#)

[\[Useful links for buffer overflows\]\(#\)](#)

## Hyperlinks to IA resources provided in CSC 564 Computer Security taught by Dr. Braynov:

Blackboard Academic Suite - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Tools Communication Course Tools Course Map Control Panel Refresh Detail View

Smashing The Stack For Fun And Profit, Aleph One.

Buffer Overflows: Attacks and Defenses for the Vulnerability of the Decade, Crispin Cowan, et al.

**Other useful links:**

[Unix/Linux Internals](#)  
[Illustrated guide to RAM](#)  
[Introduction to Virtual Memory](#)  
[Security Models](#)  
[Chapter 3.3, Models of OS Protection, by Fred Cohen](#)  
[Orange Book](#)  
[Red Book](#)  
[ITSEC](#)  
[Common Criteria](#)

**Chapter 7 links**

[OSI model from CISCO](#)  
[www.protocols.com](#)  
[Ultimate Guide to Networking: Part One](#)  
[Token Ring](#)  
[Address Resolution Protocol](#)  
[Ethernet Bridges & Switches](#)

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