

UWUEC Appr 4/11/06
Senate ~~Appr~~ Info 5/2/06 05-58

Received

Undergraduate Distance Education Review Form APR - 5 2006
(Required for all courses taught by distance education for more than one-third of teaching contact hours.)

Existing and Special Topics Course

Liberal Studies

Course: LBST499 Geeks Bearing Gifts

Instructor(s) of Record: Therese D. O'Neil

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Email: Therese.ONeil@iup.edu

Step One: Proposer

A. Provide a brief narrative rationale for each of the items, A1- A5.

1. How is/are the instructor(s) qualified in the distance education delivery method as well as the discipline?
I am a full-time, tenured faculty member with 32 years of teaching experience. I have been teaching at IUP since 1991 in the traditional classroom. This subject area was a part of the course I am currently teaching and I took a Cybercrime class last summer and feel confident teaching this material. I am also working toward a Certificate of Distance Education from Penn State's World Campus

2. How will each objective in the course be met using distance education technologies?
Upon completion of this course the student will be able to understand articles on electronic crime and cyber security appearing in newspapers and trade press and to express their understanding in the form of a written one page summary that clearly identifies the main theme and at least two points made by the article.

Objective 1: Research current computer crime legislation

Based on related websites listed in the course outline, students will research the current computer crime legislation. The student will then write a paper on their findings.

Objective 2: Identify the difference between viruses and hoaxes

Upon reading assigned articles from e-reserve and in the Computers in Society textbook, students will write a paper listing indicators that would identify a virus hoax and distinguish between viruses and hoaxes.

Objective 3: Research different aspects of electronic crime.

After reading assigned articles from e-reserve, researching websites on the course outline, students will interact through the Webct chat room, discussing the different categories of crimes committed. Students will then write a paper on the articles read.

Objective 4: Identify possible links between their discipline and the assigned topics

In each of the assigned topics, students will incorporate their opinion based upon their discipline's point of view through the discussion board. The discussions are to share with each other their particular perspectives of the topics covered, encouraging different viewpoints and tying together (synthesizing) both sides of an issue.

Objective 5: Put in writing their analysis and summary of assigned articles

Each topic will have a written assignment whereby the student will be required to analyze and summarize the articles assigned.

Objective 6: Interact with students in different disciplines discovering relationships

Students will interact with each other in the chat rooms and discussion boards and ultimately write a paper listing their point of view and how it relates to other disciplines.

Objective 7: Debate on societal and ethical issues in relation to electronic crime

The topics discussed for this objective will be copyright infringement as it relates to MP3 file sharing. The students will be divided into three groups. Group 1 will take on the viewpoint of the Recording Industry. Group 2 will have the persona of the performing artist, and group 3 will be consumers. Using the Webct discussion board, each group will meet separately to discuss their perspective and concept of MP3 file sharing and come up with a statement on their view of that topic. Each group will post their statement. Students will then go into a chat room and interact with each other and share views from each perspective.

3. How will instructor-student and student-student, if applicable, interaction take place?

Student to student interaction will be utilized by chat rooms and discussion rooms via the Webct environment. Discussion rooms and chat rooms will be limited to a maximum of 15 students to allow for better student interaction. The class will be split into groups to accommodate meeting this maximum limit. Instructor-to-student interaction will be through electronic mail and chat rooms and discussion rooms.

4. How will student achievement be evaluated?

Students will be evaluated on written assignments from assigned materials, participation in chat rooms and quality of discussions, based upon clarification of questions and responses and critical thinking. A final research paper will be prepared by the student as a culmination of the course.

5. How will academic honesty for tests and assignments be addressed?

Students will be working exclusively through the university's Webct environment. Only registered students will have access to this online classroom. The instructor will have individual interaction with students several times a week.

B. Submit to the department or its curriculum committee the responses to items A1-A5, the current official syllabus of record, along with the instructor developed online version of the syllabus, and the sample lesson. This lesson should clearly demonstrate how the distance education instructional format adequately assists students to meet a course objective(s) using online or distance technology. It should relate to one concrete topic area indicated on the syllabus.

Step Two: Departmental/Dean Approval

Recommendation: Positive (The objectives of this course can be met via distance education)

Negative

Wm. Oglet
Signature of Department Designee

3/3/06
Date

Endorsed:

John D. SA
Signature of College Dean

4/4/06
Date

Forward form and supporting materials to Liberal Studies Office for consideration by the University-wide Undergraduate Curriculum Committee. Dual-level courses also require review by the University-wide Graduate Committee for graduate-level section.

Step Three: University-wide Undergraduate Curriculum Committee Approval

Recommendation: Positive (The objectives of this course can be met via distance education)

Negative

Gail S Sedquist 4/11/06
Signature of Committee Co-Chair Date

Forward form and supporting materials to the Provost within 30 calendar days after received by committee.

Step Four: Provost Approval

Approved as distance education course

Rejected as distance education course

C. H. Samuels 5/8/06
Signature of Provost Date

Forward form and supporting materials to Associate Provost.

ONLINE SYLLABUS OF RECORD

GEEKS BEARING GIFTS

I. Catalog Description

LBST499 Senior Synthesis: Geeks Bearing Gifts

3 credits
0 lab hours

(3c – 0l – 3h)

Prerequisite: 73 sh completed

This course is designed to investigate the different categories of electronic crime. The student will look at the effect technological changes have made on electronic crime. Discussion will be generated based upon the student's research into topics assigned. Emphasis will be placed on the recent electronic crimes and their impact on society.

II. Course Objectives

At the end of this course, students will be able to:

1. Research current computer crime legislation.
2. Identify the difference between viruses and hoaxes
3. Research different aspects of electronic crime.
4. Identify possible links between their discipline and the assigned topics.
5. Put in writing their analysis and summary of assigned articles
6. Interact with students in different disciplines discovering relationships.
7. Debate on societal and ethical issues in relation to electronic crime.

III. Textbook Requirements

The Art of Deception, by Kevin D. Mitnick and William I. Simon, Wiley Publishing, Inc., 2002.

Computer in Society, 05/06, Annual Editions, Editor, Paul DePalma, McGraw-Hill/Dushkin, 0-07-296886-9.

IV. WebCT (Web Based Tools)

This course uses Webct as part of its classroom environment. All information about the course is in Webct. All assignments will be uploaded into Webct.

V. IUP Electronic Mail

In addition to Webct, the university's e-mail client will be the only other method of communicating.

VI. Attendance Policy.

Class attendance will be taken in the Webct mandated chat rooms. Missing a chat session will count as one class session missed. The allotted absence is three class hours. If there is an emergency, notify me immediately. Five points will be deducted from the final points earned for each day missed beyond the allotted three hours. Missing one third of the course will result in an automatic F in the course.

VII. Required Readings available on e-reserve, websites and textbooks

To access e-reserve go to <http://www.lib.iup.edu> and click on E-Reserve under Library Services.

VIII. Expectations

Each student is expected to log onto Webct and IUP email daily. You are responsible for knowing the due dates of all assignments and uploading them into Webct on time. You are also expected to spend at least two hours per day on the course material.

IX. Evaluation Methods

30% Written assignments. All written assignments must be in Microsoft Word, Times New Roman 12 point font and double spaced and no more than one page in length, one inch margins.. A main heading at the top of the document must include your name and the name of the assignment. Three points will be deducted if the heading is not correct. There are five small written assignments that are worth 20 points each. These assignments require you to summarize the week's readings (in no more than one page, typed, doubled spaced) and then relate the information to your knowledge and experiences. This includes your opinions that are justified with thorough and clear information. The assignments will be graded on summarizing in your own words, critical thinking skills, justification of opinions, grammar and spelling. The total points for this evaluation method are 100. The assignments are to be submitted through Webct only. Late assignments will have three points deducted for every day late.

20% Participation in Discussion Board discussions. There are four discussion board assignments. Participation will be graded on relevancy to the assigned readings, justification of responses, participation in the discussion, clarification of questions and responses, and critical thinking. Each student should have at least three postings to the bulletin board (through WebCT) for each assignment that may entail one sentence or one paragraph, or a website, or another creative response. Each discussion board assignment will be worth 15 points for a total of 60 points. Each week begins/end Sunday midnight, for responses.

15% Participation in Chat Discussions: There will be five chatroom sessions, times will be determined by the first class session. Each session is worth twenty points each. You are required to participate in discussions, with your peers and the instructor, about the assigned

readings. You will be graded on attending and participating during the assigned chatroom time, and providing thoughtful and relevant dialogue to the discussion. One hour will be allotted for each chatroom time. Although there are five chatroom assignments, only four will be graded. This allows for some flexibility with people's summer schedules. The chatroom times will be chosen based on the availability of those in the class, which will be discussed the first day of class. This activity is worth 80 points.

35% Culminating Activity: The final project will be a culminating research paper. Using the information covered throughout the semester, create a synthetic paper using the theme: 'How Electronic Crime using Technology has Changed Society'. You may choose a topic that interests you from those discussed throughout the semester. The paper must be uploaded into Webct no later than 11:59 pm on Thursday, July 6. The paper must be 2,500 words, written in Microsoft Word 2003, double-spaced with a Times New Roman, 12 point font. It must contain a bibliography in an APA Style format.

Grading Scale:

90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
59 and below = F

WEBSITES OF INTEREST FOR RESEARCH

Distance Education Services http://www.lib.iup.edu/distance_ed/index.htm
Google Scholar (allows user to search specifically for scholarly literature, peer-reviewed articles, etc.) <http://scholar.google.com/>
IUP Library Databases for article search
<http://www.lib.iup.edu/databases/databases.shtm>
IUP Library PALCI – to order books from other university libraries
http://palci.library.pitt.edu/~ursa/IUP_login.html
IUP Interlibrary Loan – to order articles not available at IUP or online
http://www.lib.iup.edu/depts/ill/ill_dept.html

X. Course Content

- History and evolution of the Internet and World Wide Web
- History of Computer Crime
- Hackers, Crackers and Phreaks
- Electronic Sabotage: Viruses, Worms, Spam, Trojan Horses
- Viruses vs Hoaxes
- Protection of original works
- Copyrights, Trademarks and Servicemarks, Patents, Intellectual Property, Trade Secrets and Fair Use
- Internet Piracy

- Internet Addiction or Online Compulsive Disorder
- Cybersquatting Domain Names
- Identity Theft
- Social Engineering: Phishing and Pharming
- Internet Privacy: Cookies, PIEs, Web Bugs, Spyware, pop-ups and Adware
- Workplace Surveillance: Email Monitoring
- Blogs
- Project Echelon: Government Surveillance
- U.S. Patriot Act
- Securing Your PC
- How Technological Changes Affect Society

XI. Course Outline

Unit 1

Introduction to the course

- Discuss course
- Discuss chatroom times
- Overview of topic area
- Expectations
- What is a liberal studies course?
- What is synthetic thinking?
- What is different about a senior synthesis course?

DISCUSSION BOARD ASSIGNMENT 1:

Post a message on the discussion board introducing yourself to the rest of the class. Please state your name and your major field of study. Also explain why you registered for this course, what are your expectations?

Post two replies to someone you do not know. Students from the same major often take the same courses, therefore you may know each other. I want you to 'meet someone new'. We will try to find commonalities and differences in our opinions and viewpoints when discussing the topics assigned.

June 6 History and evolution of the Internet and World Wide Web

WRITTEN ASSIGNMENT ONE:

After reading the materials below, write your paper based upon the following. (you may use the search engine of your choice to further explore this topic)

Discuss the history of the Internet. When was the first Internet connection, where, and what was the message? What is an IP Address? How many people are online? What is the male/female ratio and ratio by age? What are the three most common activities on the

web, broken down male/female. What are the differences between the Internet and the World Wide Web? Identify the components of a Web address. Name three web browsers on the market today.

SUGGESTED READINGS

History of the Internet <http://md.hudora.de/blog/guids/37/54/950200281404144.html>

History of the Internet: <http://www.walthowe.com/navnet/history.html>

How the Internet Infrastructure Works

<http://computer.howstuffworks.com/internet-infrastructure.htm>

WikiPedia

<http://en.wikipedia.org/wiki/Internet>

Demographics of how many online

http://www.pewinternet.org/trends/User_Demo_05.18.05.htm

Activities – Total, Online Activities – Daily, and Internet Adoption

<http://www.pewinternet.org/trends.asp#demographics>

REQUIRED READING

Part 1: Behind the Scenes: Chapter 1: Security's Weakest Link, The Art of Deception, by Kevin Mitnick.

The History of Computer Crime

- Categories of computer crime
- The first computer crime legislation?
- Who commits computer crimes?
- Hackers, crackers and phreaks

DISCUSSION BOARD ASSIGNMENT 2:

This discussion will be on the history of computer crime, hackers, crackers and phreaks based upon the following readings.

REQUIRED READINGS

E-Reserve

ComputerWorld: Cybercrime pays off more than drug trafficking, security expert says, by Souhail Karam, November 28, 2005.

ComputerWorld: Ex-Microsoft worker gets four years for software theft. By Jeremy Kirk, November 22, 2005.

Website:

History of Computer Crime from 1450 to 1998

<http://www.blakeston.stockton.sch.uk/GCSERevision/History/Computercrime.htm>

E-Reserve:

E-Reserve: CyberCrime Text: Chapter 1, Hackers, Crackers and Phreaks, Pages 13 to 21.

Computers in Society Textbook:

Article 41: The Hackers' Lure by Ariana Enjung Cha, page 176.

Chapter 2: When Innocuous Information Isn't and Chapter 3: The Direct Attack: Just Asking for It, The Art of Deception by Kevin Mitnick

Unit 2**Electronic Sabotage**

- Viruses
- Worms
- Trojan horses
- Spam
- Hoax or virus?

WRITTEN ASSIGNMENT TWO:

Discuss the latest viruses and worms to date. Document your findings with citations. Write a paper summarizing the below readings. Also, differentiate between a virus and a hoax, what are the sure signs of a hoax?

DISCUSSION BOARD ASSIGNMENT 2:

Electronic Sabotage and Protection of original works

REQUIRED READINGS**Textbook articles:**

Article 32, Code Red for the web by Carolyn Meinel

Article 33: The Virus Underground by Clive Thompson

Article 34, The Spam Wars by Wendy M. Grossman

Article 35, Spammers Can Run but They Can't Hide by Saul Hansell

Chapter 4: Building Trust, The Art of Deception, by Kevin Mitnick.

E-Reserve

PCWorld, Here Comes Santa Claus Worm, by Tom Krazit, IDG News Service, December 20, 2005

PCWorld, E-mail Scammers Pose as FBI, CIA, by Robert McMillan, IDG News Service, Spam attempts to trick users into installing the Sober worm, November 22, 2005.

PCWorld, 'Frankenstein' Attack Hits AIM, by John E. Dunn, Instant messaging users warned of worm that installs backdoor on infected machines.

PCWorld, **Bird Flu Inspires PC Virus**, by John Blau, IDG News Service, October 28, 2005.

Websites of Interest:

Hoaxbusters

<http://hoaxbusters.ciac.org/HBHoaxIndex.html>

Latest Hoax Information

http://www.f-secure.com/hoaxes/hoax_new.shtml

The Museum of Hoaxes

<http://www.museumofhoaxes.com/>

McAfee, Inc. <http://vil.nai.com/vil/>

Latest virus threats http://securityresponse.symantec.com/avcenter/vinfodb.html#threat_list

A Trojan Christmas

<http://www.pcmag.com/article2/0,1895,1905265,00.asp>

Worms in Instant Messages, Annual Review, 2005

http://www.wormblog.com/2005/12/im_worms_a_2005.html

Trojan Remover

<http://www.simplysup.com/>

Protection of original works

- Copyrights
- Trademarks
- Servicemarks
- Patents
- Intellectual property
- Trade secrets
- Fair use

REQUIRED READINGS

Chapter 5: "Let Me Help You", The Art of Deception, by Kevin Mitnick.

Chapter 6: "Can You Help Me?", The Art of Deception, by Kevin Mitnick.

SUGGESTED WEBSITES FOR RESEARCH

A Guide to Copyrights: Copyright Protection

http://strategis.ic.gc.ca/sc_mrksv/cipo/cp/copy_gd_protect-e.html#11

What are Patents, Trademarks, Servicemarks, and copyrights?

<http://www.uspto.gov/web/offices/pac/doc/general/whatis.htm>

Crash Course on Trademarks

<http://www.iusmentis.com/trademarks/crashcourse/>

Crash Course on Patents

<http://www.iusmentis.com/patents/crashcourse/>

Crash Course on Copyrights

<http://www.iusmentis.com/copyright/crashcourse/>

Intellectual Property Crash courses

<http://www.iusmentis.com/ipcrashcourses/>

Trade Secrets

http://en.wikipedia.org/wiki/Trade_secret

The Fair Use Doctrine

http://en.wikipedia.org/wiki/Fair_use

Unit 3

Internet Piracy

- MP3 File Sharing or File Stealing?
- Types of software piracy

REQUIRED READINGS

Article 23 from the textbook: **The Copyright Paradox**, Fighting Content Piracy in the Digital Era by Jonathan Band.

Chapter 7: Phony Sites and Dangerous Attachments, **The Art of Deception**, by Kevin Mitnick.

E-Reserve

PCWorld, **Three Indicted for 'Massive' Piracy**, by Grant Gross, IDG News Service, October 14, 2005.

PCWorld, **Sony Yanks Copy-Protected CDS**, by Robert McMillan, IDG News Service, November 16, 2005.

DISCUSSION BOARD ASSIGNMENT 3:

You will be divided into three groups: Consumers, Recording Industry Association, and Recording Artists. You will be notified as to which group you belong. When you get your group assignment, arrange with your group to meet in a chat room. Discuss your position on MP3 file sharing. Create a 'statement of position'. Post this position in the Discussion Board. Read each others' positions and defend your statements.

WRITTEN ASSIGNMENT THREE:

List and describe the different types of software piracy. With each type, state your viewpoint as it relates to your specific field of study.

Internet Addiction

- Online Compulsive Disorder
- Are you addicted?
- Do you know anyone addicted?
- What are the signs?
- What is the remedy?

REQUIRED READINGS

Textbook

Article 19: **The Lure of Data: Is It Addictive?** By Matt Richtel

Suggested Websites

Internet Addiction

<http://library.albany.edu/briggs/addiction.html>

Are you addicted? Take this survey

<http://www.stresscure.com/hrn/addiction.html>

Symptoms and Information on Internet Addiction

<http://www.addictions.org/internet.htm>

Addicted to the Internet

<http://www.uml.edu/student-services/counseling/internet/>

Mental Help Net, Internet Addiction

http://www.mentalhelp.net/poc/center_index.php?id=66

Cybersquatting Domain Names

- What is the Domain Name System?
- What is the second level domain name?
- What are the six top-level domain names?
- What is Cybersquatting?

REQUIRED READINGS

Chapter 8: Using Sympathy, Guilt, and Intimidations, The Art of Deception, by Kevin Mitnick.

E-Reserve

Lecture: Domain Names

ComputerWorld, **WIPO urges trade name protection for new domains**, by John Blau, June 3, 2005.

ComputerWorld, **New .eu domain 'as important as .com'** by Simon Taylor, December 2, 2005.

Cybersquatting and Trademark Infringement by Monica Kilian, September 26, 2001. Murdoch University Journal of Law.

PC World, **Congress Cracks Down on Cybersquatting**, by Jack McCarthy, IDG News Service, July 30, 1999.

PCWorld, **Group Addresses Domain Name Disputes**, by James Niccalai, IDG News Service, August 26, 1999.

Cybersquatting: What It Is and What Can Be Done About It

PCWorld, **Microsoft Shuts Down Spammer** by Paul Roberts, July 25, 2004.

Suggested Websites:

Cybersquatting: Defined: <http://www.nolo.com/article.cfm/objectID/60EC3491-B4B5-4A98-BB6E6632A2FA0CB2/111/228/195/ART/>

Wikipedia online Encyclopedia

<http://en.wikipedia.org/wiki/Cybersquatting>

<http://www.webopedia.com/TERM/C/cybersquatting.html>

Cybersquatting and Domain Names

<http://www.unc.edu/courses/2003spring/law/357c/001/projects/karyn/domainnames/cybersquatting.htm>

Buying available domains

<http://www.buydomains.com/>

WRITTEN ASSIGNMENT FOUR:

Using all the resources given above, discuss Cybersquatting. Include the definition, several examples of actual cases, any legislation against cybersquatting, and state your opinion of cybersquatting.

Identity Theft

- Preventing Identity Theft
- What to do if your identity is stolen

REQUIRED READINGS

Chapter 9: The Reverse Sting, The Art of Deception, by Kevin Mitnick.

E-Reserve

PCWorld, Your Inbox May Be Safer Than Your Mailbox, by Erin Biba, Medill News Service, February 10, 2005.

PCWorld, ID Theft Continues to Increase, by Jaikumar Vijayan, ComputerWorld, July 30, 2003.

PCWorld, Data Breach Bills Unlikely to Pass Before 2006, Gran Gross, IDG News Service, November 14, 2005.

ComputerWorld: Card Skimmers Eyed in Sam's Club data theft, by Jaikumar Vijayan, December 14, 2005.

PCMagazine: Identity Theft is Out of Control, by Cade Metz, August 3, 2005.

ComputerWorld: Keystroke logging on the rise, says security firm, by Robert McMillian, November 16, 2005.

Anti-Keylogger Software

<http://www.anti-keyloggers.com/>

PCWorld, Privacy in Peril, by Alan Stafford, November, 2005.

Suggested Websites:

Identity Rehab

http://www.identityrehab.com/identity_theft_statistics.php

Where to get (really) free Credit Reports

<http://blogs.pcworld.com/staffblog/archives/001016.html>

Identity Theft Resource Center

<http://www.idtheftcenter.org/index.shtml>**Unit 4****Social Engineering**

- Phishing
- Pharming

DISCUSSION BOARD ASSIGNMENT 4

Discuss your opinion of Kevin Mitnick and his social engineering skills, as well as Internet privacy as outlined below.

WRITTEN ASSIGNMENT FIVE:

Discuss security vs privacy as it pertains to Government surveillance as outlined in the articles below. Also discuss the employer's right to know vs the employee's right to privacy, is workplace surveillance necessary?

REQUIRED READINGS**Part 3: Intruder Alert**

Chapter 10: Entering the Premises, The Art of Deception, by Kevin Mitnick.

Chapter 11: Combining Technology and Social Engineering, The Art of Deception, by Kevin Mitnick.

E-Reserve

Top Phish of December, 2005: 'Tis the season—for taxes'.

2005 Annual Security Report Stats from MessageLabs

ComputerWorld: IT Departments Can Keep 'Pharmers' out of Their Workplace – If They Act Now, by John McNulty, October 3, 2005.

Suggested Websites

Special Report on Phishing

<http://www.usdoj.gov/criminal/fraud/Phishing.pdf>ComputerWorld: Fear of Phishing hurts Banks<http://www.computerworld.com/printthis/2005/0,4814,105708,00.html>

Social Engineering Defined

[http://en.wikipedia.org/wiki/Social_engineering_\(computer_security\)](http://en.wikipedia.org/wiki/Social_engineering_(computer_security))

http://searchsecurity.techtarget.com/sDefinition/0,290660,sid14_gci531120,00.html?offer=pest
<http://www.securityfocus.com/infocus/1527>
<http://www.seas.rochester.edu:8080/CNG/docs/Security/node9.html>

Internet Privacy/Securing your PC

- Cookies
- PIEs
- Web bugs
- Spyware
- Adware
- Workplace surveillance
- Blogs

E-Reserve

PCMagazine: **Cookies and PIE** by Matthew D. Sarrel

PCWorld, **Privacy Watch: More Criminals Use Keystroke Loggers**, by Andrew Brandt, November 23, 2005.

PCWorld, **Spyware is Biggest Web Threat, Study Says**, by Michael Crawford, December 7, 2005.

Chapter 12: Attacks on the Entry-Level Employee, **The Art of Deception**, by Kevin Mitnick

Chapter 13: Clever Cons, **The Art of Deception**, by Kevin Mitnick

Suggested Websites;

Adware, defined

<http://en.wikipedia.org/wiki/Adware>

Spyware, defined

<http://www.webopedia.com/TERM/S/spyware.html>

For a Price, you can find out anything about anyone at this website:

<http://www.docusearch.com/>

PCWorld, **Adobe Flags Online PDF Tracking**, December 23, 2005.

<http://www.eweek.com/article2/0,1895,1905125,00.asp>

The Web Bug FAQ

http://www.eff.org/Privacy/Marketing/web_bug.html

Web Bug Detector: Bugnosis

<http://www.bugnosis.org/>

Top Five Spyware Removers

<http://www.spywareremoversreview.com/?gclid=CIDE6u6-o4ICFSouGgodTCnUDg>

Stopping Cookies with CookieCop 3

<http://www.pcmag.com/article2/0,1759,1538946,00.asp>

Spyware Protection

<http://www.pctools.com/spyware-doctor>

Protection against Adware, pop-ups and more

<http://www.lavasoftusa.com/software/adaware/>

Spyware

<http://www.pcmag.com/article2/0,1759,1259498,00.asp>

E-Reserve

PC Magazine: **Maximum Security: 94 Essential Tips for Staying Safe**, by Michael J. Steinhart, November 2, 2005.

Security Tip: **Run Symantec LiveUpdate Manually Now and Then**

PCWorld, **Safeguard Your Valuables**, by Steve Bass, November 23, 2005.

Seals of Approval for security websites:

Better Business Bureau Seal

<http://www.bbbonline.org/>

Truste Seal

<http://www.truste.org/>

WebAssured Seal

<http://www.webassured.com/>

PrivacyBot Seal

<http://www.privacybot.com/>

VeriSign Seal

<http://www.verisign.com/>

Textbook:

Article 17:: **Dating a Blogger, Reading All About It**, by Warren St. John

Article 13: **They're Watching You**, by Sarah Boehle

Article 14: **Security vs Privacy**, by Jonathan A Segal

Article 15: **Searching for answers**, by Jonathan A Segal.

Article 25: **Bad Documents Can Kill You**, by Valli Baldassano and Roy Speed

Suggested Websites:

Project Echelon: Orbiting Big Brother? Eavesdropping from Space.

http://www.space.com/business/technology/technology/echelon_011121-1.html

Project Echelon

<http://www.echelonwatch.org/>

Workplace Surveillance

<http://www.mondaymemo.net/010730feature.htm>

Email, Privacy and the Workplace

<http://www.dominopower.com/issuesprint/issue199809/privacy.html>

Email monitoring, Is there Privacy in the Workplace?

<http://www.privacyrights.org/fs/fs7-work.htm>

Government Surveillance

- Project Echelon
- US Patriot Act

REQUIRED READINGS

Chapter 14, Industrial Espionage, The Art of Deception, by Kevin Mitnick

Suggested Websites:

US Patriot Act

<http://www.epic.org/privacy/terrorism/usapatriot/>

US Patriot Act's provisions to expire on Dec 31, 2005

<http://www.npr.org/templates/story/story.php?storyId=4754214>

Full US Patriot Act

<http://www.epic.org/privacy/terrorism/hr3162.html>

Sunset issues

<http://www.epic.org/privacy/terrorism/usapatriot/sunset.html>

Unit 5**How Technological Changes Affect Society****REQUIRED READINGS**

Chapter 15: Information Security Awareness and Training, The Art of Deception, by Kevin Mitnick.

Chapter 16: Recommended Corporate Information Security Policies, The Art of Deception, by Kevin Mitnick.

Computers in Society Textbook:

Article 1: **Five Things We Need to Know About Technological Change** by Neil Postman

This week will be used to compose the final project; a culminating research paper. Using the information covered throughout the semester, create a synthetic paper depicting how these crimes have changed society. You may choose a topic that interests you from those discussed throughout the semester. Upload your paper into Webct no later than 11:59 pm Thursday, July 6. The instructions for creating the paper is at the top of this syllabus.

GEEKS BEARING GIFTS

Sample Lesson Online

Internet Piracy

- MP3 File Sharing or File Stealing?
 - Types of software piracy
- 1 Read Article 23 from the textbook: **The Copyright Paradox**, Fighting Content Piracy in the Digital Era by Jonathan Band.
 - 2 Read the following articles from E-reserve:
 - PCWorld, **Three Indicted for 'Massive' Piracy**, by Grant Gross, IDG News Service, October 14, 2005.
 - PCWorld, **Sony Yanks Copy-Protected CDS**, by Robert McMillan, IDG News Service, November 16, 2005.

DISCUSSION BOARD ASSIGNMENT 3:

You will be divided into three groups: Consumers, Recording Industry Association, and Recording Artists. You will be notified as to which group you belong. When you get your group assignment, arrange with your group to meet in a chat room. Discuss your position on MP3 file sharing. Create a 'statement of position'. Post this position in the Discussion Board. Read each others' positions and defend your statements.

WRITTEN ASSIGNMENT THREE:

List and describe the different types of software piracy. With each type, state your viewpoint as it relates to your specific field of study.

SYLLABUS OF RECORD

GEEKS BEARING GIFTS

I. Catalog Description

LBST499 Senior Synthesis: Geeks Bearing Gifts

3 credits
0 lab hours

(3c – 0l – 3h)

Prerequisite: 73 sh completed

This course is designed to investigate the different categories of electronic crime. The student will look at the effect technological changes have made on electronic crime. Discussion will be generated based upon the student's research into topics assigned. Emphasis will be placed on the recent electronic crimes and their impact on society.

II. Course Objectives

At the end of this course, students will be able to:

1. Research current computer crime legislation .
2. Identify the difference between viruses and hoaxes
3. Research different aspects of electronic crime.
4. Identify possible links between their discipline and the assigned topics.
5. Put in writing their analysis and summary of assigned articles
6. Interact with students in different disciplines discovering relationships.
7. Debate on societal and ethical issues in relation to electronic crime.

III. Course Outline

A. Introduction (Week 1)

1. Discussion on the nature and value of synthetic thinking: What is it? Why is it important? How does LBST 499 differ from other courses? Following will be a discussion about the history of the Internet and the World Wide Web based on assigned readings.

B... History of Computer Crime (Week 2)

Discussion of the history of computer crime generated from the readings (library e-reserve) from History of Computer Crime from 1450 to 1998, selected articles from ComputerWorld Magazine by Souhail Karam, (2005), Jeremy Kirk, and (2005.) and by Todd R. Weiss, (2005).

C. Hackers, Crackers and Phone Phreaks (Week 3)

Discuss the differences between hackers, crackers and phone phreaks after reading the following. Discuss the role of women and minorities in this area.

D. Electronic Sabotage (Week 4)

Discussion on viruses, worms, trojan horses and spam based upon the following readings: The Art of Deception by Kevin Mitnick, Chapter 7: Phony Sites and Dangerous Attachments, pages 94 – 131. Discuss the current viruses and worms from various articles from PC World Magazine and ComputerWorld Magazine on electronic library reserve.

E. Protection of Original Works vs Internet Piracy (Weeks 5 and 6)

Discussion on the effects of the Internet on copyrights, trademarks or servicemarks, patents, intellectual property, trade secrets and fair use. The required reading will be chapter 5 from the textbook Cyberlaw, Legal Principles of Emerging Technologies, by Jeffrey A. Helewitz, pages 111 to 137 that will be on electronic library reserve. Specific discussion will be held on MP3 file sharing and its affect on society. The students will be separated into three groups to discuss this topic from different viewpoints: the recording industry, the Consumer and the performing artist. Other articles used for discussion will be from various issues of PCWorld and ComputerWorld Magazines on electronic library reserve.

F. Internet Addiction or Online Compulsive Disorder (Week 7)

Discussions on the symptoms of Internet Addiction and its effect on family and friends. Discuss Internet addiction based on gender and race. Discuss the psychological aspects of Internet Addiction. Required readings will be various issues of PCWorld and ComputerWorld Magazines on electronic library reserve.

G. Cybersquatting Domain Names (Week 8)

There will be a lecture on the origin of domain names and the definition of Cybersquatting. Cases of cybersquatting will be studied to encourage discussion of the legalities of cybersquatting. Reading material will be on various articles of PCWorld and ComputerWorld Magazines on electronic library reserve.

H. Identity Theft (Week 9)

Discussion of the problem if identity theft. How it can be prevented and what to do if your identity is stolen. Reading materials will be on various articles of PCWorld and ComputerWorld Magazines on electronic library reserve.

I. Social Engineering (Weeks 10 and 11)

Discussion will be on the art of social engineering based upon selections from Kevin Mitnick's book, The Art of Deception.

J. Internet Privacy (Weeks 12 and 13)

Discussion will be on various types of Internet privacy invasions such as: cookies, PIEs (persistent identification element), Web Bugs, Spyware, Adware, Workplace Surveillance, E-mail Monitoring, Blogs, and GPS systems. Readings will be from electronic library reserve from various articles from PCWorld and Computer World magazines.

K. Protecting the Public? (Week 14)

Discussion will be on the controversial US Patriot Act. In addition, discussion will be held on how to properly protect your personal computer from intruders. Readings are from the following websites about the US Patriot Act

L. Crime through Technology and how it has changed society (Week 15)

This week will be used to compose the final project; a culminating research paper. Using the information covered throughout the semester, create a synthetic paper depicting how these crimes have changed society. You may choose a topic that interests you from those discussed throughout the semester. We will meet at the regular scheduled final exam day and time; you will report to the assigned room and hand in your final project. You may use the two-hour period to finalize the paper, but it is due at the end of the two-hour designated final examination time set by the university.

IV. Textbook Requirements

The Art of Deception, by Kevin D. Mitnick and William I. Simon, Wiley Publishing, Inc., 2002.

Computer in Society, 05/06, Annual Editions, Editor, Paul DePalma, McGraw-Hill/Dushkin, 0-07-296886-9.

V. Attendance Policy.

Attendance is taken at the beginning of each class. If you come in late, you will be marked absent unless you inform me at the end of the class. You are responsible for the content and assignments of each class, whether you are present or absent. If you are not in class, I will still expect you to have the assigned homework completed by the due date. It is your responsibility to inform me if you cannot attend class. The IUP Council of Trustees, as of May 13, 1994, recognizes your need to miss class because of illness or personal emergency. I adhere to this policy. The limited level of allowable absences is 3 course hours. Five points will be deducted from the total points of the semester for each day

missed over the limit of three hours. Missing one-third of the course will constitute an automatic F in the course.

VI. Evaluation Methods

30% Written assignments. All written assignments require the student to summarize the week's readings then relate the information read to their knowledge and experiences. This includes opinions that are justified with thorough and clear information. The assignments will be graded on summarizing in their own words, critical thinking skills, justification of opinions, grammar and spelling.

20% Participation in Discussion Board discussions. Participation will be graded on relevancy to the assigned readings, justification of responses, participation in the discussion, clarification of questions and responses, and critical thinking.

15% Participation in Chat Discussions: Chatroom activities require the student to participate in discussions, with their peers and the instructor, about the assigned readings. They will be graded on attending and participating during the assigned chatroom time, and providing thoughtful and relevant dialogue to the discussion.

35% Culminating Activity. The culminating activity will be a 10-12 page synthetic paper. The theme of the topic is '**How Electronic Crime using Technology has Changed Society**'. A topic will be chosen by the student from all of those discussed throughout the semester. In the paper, they are to discuss how that topic has affected society. Grading will be based upon quality of writing, use of evidence, and use of different viewpoints on the topic.

Grading Scale:

90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
59 and below = F

VII. Required Readings

Selected chapters from CyberCrimes, by Gina DeAngelis, Chelsea House Publishers, cc 2000, 0-7910-4252-9

The Art of Deception, by Kevin Mitnick, Wiley Publishing, Inc., cc 2002, 0-7645-4280-X.
Articles on IUP's Library e-reserve.

Websites pertaining to the topic assigned.

VIII. Bibliography

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Blau, J. (2005 October 28) Bird Flu Inspires PC Virus, IDG News Service, *PC World*.

Brandt, A., (2005 November 23), Privacy Watch: More Criminals Use Keystroke Loggers, *PCWorld*.

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