

**Illinois IDEA HS  
Course Outline**

**College/Division:** Northern Illinois University, Department Computer Science

**Course Title:** Computer Security Management

**Course Number:** CSCI 654

**Credit Hours:** 3

**Instructor/Originator Name:** James Leon

**Catalog Description:** Survey of security considerations as they apply to the management of business processes and information. Topics include: planning, policies, protocols of security practices, access models and frameworks, incident response plans, asset protection and recovery.

**Pre-Requisites:** None

**Restrictions/Suggestions:** None

**Rationale:** This course has a broad appeal to people interested in case studies regarding homeland security. The course looks at case studies of how a broad spectrum of companies deal with issues of IT security (physical security, employee data security, government role in security, internet security, etc)

**Intended Audience:** Wide audience in the IDEA statewide alliance.

**Expected Student Outcomes:** After taking the class the student should be able to

1. understand the business climate for IT security
2. be exposed to threats, vulnerabilities, that companies have regarding IT security
3. be able to chose proper safeguards for IT threats

**Text(s):** Information Security-Contemporary Cases by Marie Wright and John Kakalik

**Topical/Subject Matter:**

Kraft Foods: Protecting Employee Data

Advo Inc: Integrating IT and Physical Security

Yale New Haven Center: Disaster Planning and Response

IBM: Embedded Security Subsystem

SRA International: Automating Compliance with Federal Information Security Requirements

FBI New Haven Field Office: Computer Analysis and Response Team: Tracking a Computer Intruder  
Aetna: Developing and Implementing a Successful Information Security Awareness Program

**Course Activities:**

Two case studies per month  
Answer selected questions for each case  
Periodic chat sessions  
Paper related to company security

**Evaluation/Assessment:** Students will turn in the answers to seven case studies and type a term paper on some facet of company security.

**Bibliography/References:** Information Security-Contemporary Cases by Marie Wright and John Kakalik , Web Security, Privacy and E-Commerce by Simson Garfinkel, website [www.sans.org](http://www.sans.org)