

# **IS421**

## **Legal and Security Issues**

### **[Onsite]**

**Course Description:**

This course offers an overview of the legal processes involved in implementing and maintaining an e-commerce Web site. In addition, this course examines security issues involved in maintaining a Web or intranet/Internet site and potentials for misuse.

**Prerequisite(s) and/or Corequisite(s):**

Prerequisites: IT260 Networking Application Services and Security or equivalent, IS305 Managing Risk in Information Systems or equivalent

**Credit hours: 4**

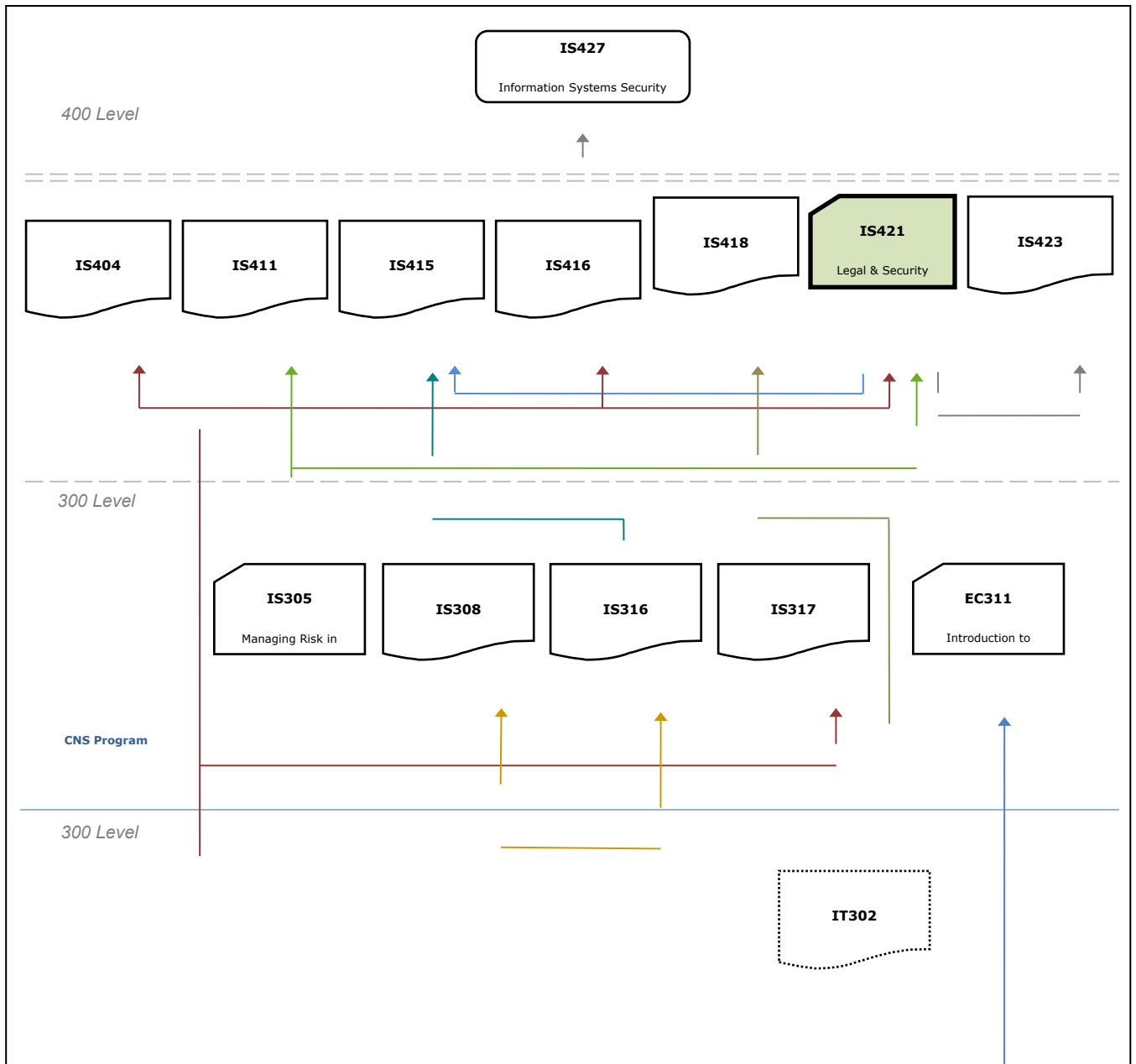
**Contact hours: 50 (30 Theory Hours, 20 Lab Hours)**

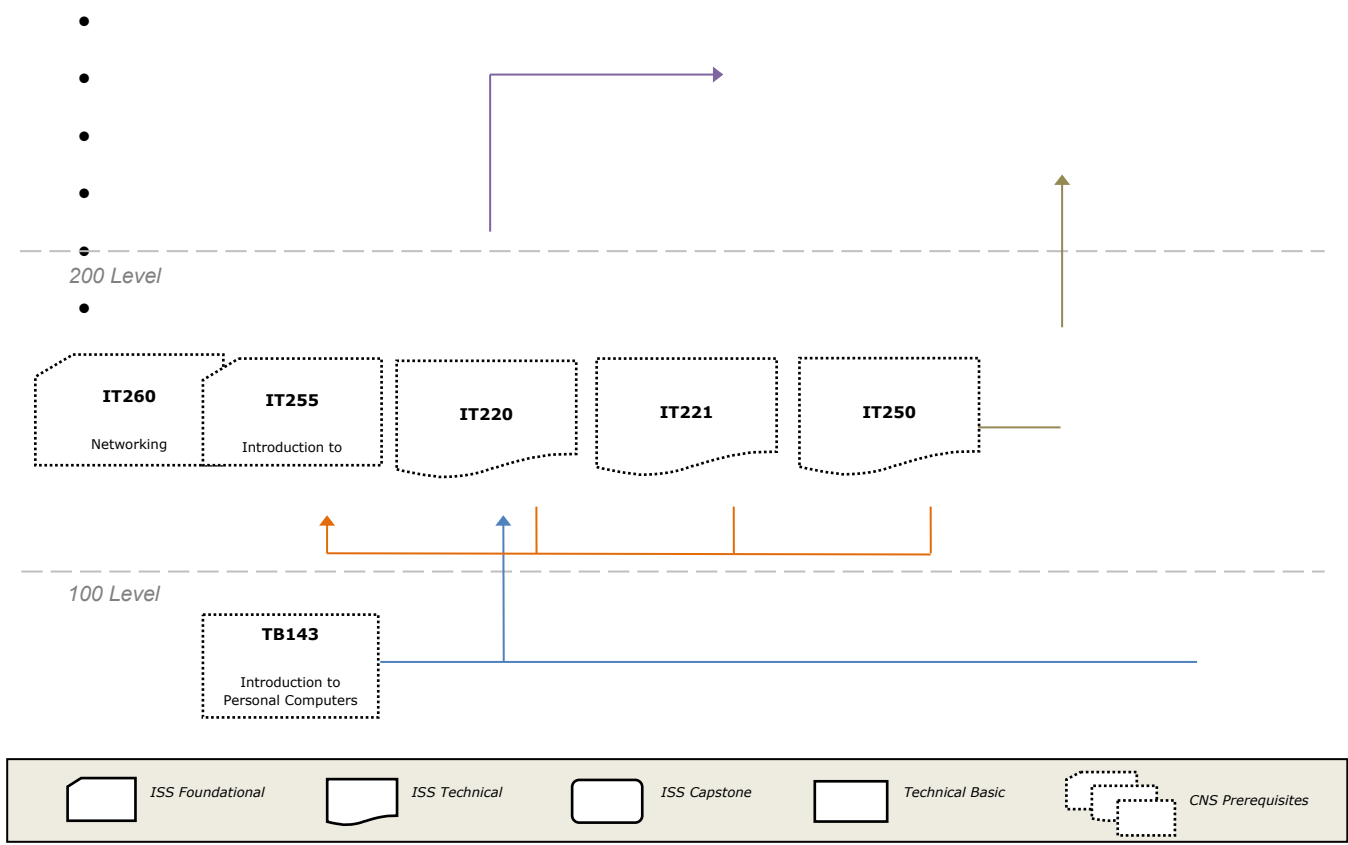
## Where Does This Course Belong?

This course is required for the Bachelor of Science in Information Systems Security program. This program covers the following core areas:

- Foundational Courses
- Technical Courses
- BSISS Project

The following diagram demonstrates how this course fits in the program:





## Course Summary

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### Course Description

This course offers an overview of the legal processes involved in implementing and maintaining an e-commerce Web site. In addition, this course examines security issues involved in maintaining a Web or intranet/Internet site and potentials for misuse.

### Major Instructional Areas

1. Legal aspects of information security concepts
2. Privacy laws and issues
3. The American Legal System
4. Laws addressing information security and privacy
5. Intellectual property rights and cyberspace law
6. Risk analysis, incident response, and network forensics investigations

### Course Objectives

1. Recognize the legal aspects of the information security triad: availability, integrity, and confidentiality.
2. Examine the concept of privacy and its legal protections.
3. Identify the basic components of the American Legal System.
4. Describe legal compliance laws addressing public and private institutions.
5. Analyze intellectual property laws.
6. Describe the role of contracts in online transactions and cyberspace.
7. Identify cybercrime and tort law issues in cyberspace.

8. Examine the principles requiring governance of information within organizations.
9. Identify risk analysis and incident response procedures.
10. Explain the importance of forensics examination in legal proceedings.

### **SCANS Objectives**

SCANS is an acronym for Secretary's Commission on Achieving Necessary Skills. The committee, appointed by the National Secretary of Labor in 1990, created a list of skills and competencies that continue to be a valuable resource for individuals developing their careers in a high-tech job market. For more information on the SCANS objectives, visit The U.S. Department of Labor Employment and Training Administration: [www.doleta.gov](http://www.doleta.gov).

## Learning Materials and References

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### Required Resources

Textbook Package	New to this Course	Carried over from Previous Course(s)	Required for Subsequent Course(s)
Grama, Joanna Lyn. <i>Legal Issues in Information Security</i> . 1 <sup>st</sup> ed. Sudbury, MA: Jones & Bartlett, 2010.	■		
Companion CD–IS421	■		
Printed IS421 Student Lab Manual	■		

### Recommended Resources

#### Books, Professional Journals

Please use the following author's names, book/article titles and/or keywords to search in the ITT Tech Virtual Library for supplementary information to augment your learning in this subject:

- Rasool Azari, ed., *Current Security Management & Ethical Issues of Information Technology*
- Gordon E. Smith, *Control and Security of E-Commerce*
- Kathleen Conn, *Internet and the Law: What Educators Need to Know*
- Lee Freeman, et al., *Information Ethics: Privacy and Intellectual Property*
- Linda L. Brennan, et al., *Social, Ethical and Policy Implications of Information Technology*
- Mark Stefik, *The Internet Edge: Social, Technical, and Legal Challenges for a Networked World*
- Susan Singleton, *E-mail: Legal Issues*
- V. V. Preetham, *Internet Security and Firewalls*

**Search in:**

Books > Books 24x7

Periodicals . EbscoHost

Other References

- Center for Intellectual Property and Copyright in the Digital Environment

This reference resource provides resources and workshops for the higher education community on intellectual property and copyright in the digital environment. In addition, this reference also emphasizes on law and policy relating to distance education.

<http://www.umuc.edu/distance/odell/cip/cip.html> (accessed April 15, 2010)

- Copyright Law in Cyberspace

This reference resource provides a summary of copyright law in the cyber community.

<http://www.utsystem.edu/ogc/IntellectualProperty/distance.htm> (accessed April 15, 2010)

- Crash Course in Copyright

This reference resource provides understanding on the basics of copyright law.

<http://www.utsystem.edu/ogc/IntellectualProperty/cprtindx.htm> (accessed April 15, 2010)

- Ethics in Computing

This online reference provides ethical guidelines for IT.

<http://www.infoweblinks.com/content/ethicsincomputing.htm> (accessed April 15, 2010)

- Ethics in Computing

This presentation help students learn on ethics in computing by viewing the presentation.

[www.cs.fredonia.edu/~zubairi/s2k6/csit120/ethics1.ppt](http://www.cs.fredonia.edu/~zubairi/s2k6/csit120/ethics1.ppt) (accessed April 15, 2010)

- United States Patent and Trademark Office

This online resource provides information for research on patent and trademarks.

<http://www.uspto.gov/> (accessed April 15, 2010)

**NOTE:** All links are subject to change without prior notice.

## Information Search

Use the following keywords to search for additional online resources that may be used for supporting your work on the course assignments:

American Legal System

Bill of Rights

Breach Notification

Civil Rights

Compliance

Computer Forensics

Computer Forensics Suites

Contracts

Copyright



Cyberspace

Cyberspace Law

Cyber Bullying

Cyber Stalking

Digital Millennium Act

Fourth Amendment

Governance of Information

Gramm Leach Bliley and Health Information Portability and Accountability (HIPAA) Act

Incident Response, Information Security Triad

Information Systems Security

Intellectual Property Rights

Legal Protection

Network Forensic Investigations

Online Transactions, Privacy

Public and Private Institutions

Risk Analysis, Veteran Affairs (VA)

## **Course Plan**

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### **Instructional Methods**

This course is designed to promote learner-centered activities and support the development of cognitive strategies and competencies necessary for effective task performance and critical problem solving. The course utilizes individual and group learning activities, performance-driven assignments, problem-based

cases, projects, and discussions. These methods focus on building engaging learning experiences conducive to development of critical knowledge and skills that can be effectively applied in professional contexts.

**Suggested Learning Approach**

In this course, you will be studying individually and within a group of your peers. As you work on the course deliverables, you are encouraged to share ideas with your peers and instructor, work collaboratively on projects and team assignments, raise critical questions, and provide constructive feedback.

**Important:** Keep the deliverables you completed for earlier units as you may need them for working on the tasks assigned in later units of this course.

Use the following advice to receive maximum learning benefits from your participation in this course:

DO	DON'T
<ul style="list-style-type: none"> <li>▪ Do take a proactive learning approach</li> <li>▪ Do share your thoughts on critical issues and potential problem solutions</li> <li>▪ Do plan your course work in advance</li> <li>▪ Do explore a variety of learning resources in addition to the textbook</li> <li>▪ Do offer relevant examples from your experience</li> <li>▪ Do make an effort to understand different points of view</li> <li>▪ Do connect concepts explored in this course to real-life professional situations and your own experiences</li> </ul>	<ul style="list-style-type: none"> <li>▪ Don't assume there is only one correct answer to a question</li> <li>▪ Don't be afraid to share your perspective on the issues analyzed in the course</li> <li>▪ Don't be negative towards the points of view that are different from yours</li> <li>▪ Don't underestimate the impact of collaboration on your learning</li> <li>▪ Don't limit your course experience to reading the textbook</li> </ul>

DO	DON'T
	<ul style="list-style-type: none"> <li>Don't postpone your work on the course deliverables – work on small assignment components every day</li> </ul>

**Course Outline**

Unit #	Unit Title	Assigned Readings	Graded Activities			
			Grading Category	#	Activity Title	Grade Allocation (% of all graded work)
1	Information Systems Security Overview	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>Chapter 1</li> </ul>	Discussion	1.1	Availability, Integrity, and Confidentiality	1
			Lab	1.2	Creation of Asset List	2
			Assignment	1.3	Executive Summary on Risk Analysis	2
<b>Course Project and associated deliverables are introduced in Units 1 - 2.</b>						
2	Privacy Overview	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>Chapter 2</li> </ul>	Quiz	2.1	Quiz 1	2
			Lab	2.2	Case Study for Activity on Veteran's Affairs and Loss of Private Information	2
			Assignment	2.3	Executive Summary on VA and Loss of Private Information	2
3	The American Legal System	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>Chapter 3</li> </ul>	Discussion	3.1	Bill of Rights	1
			Lab	3.2	Case Study on Compliance	2
			Assignment	3.3	Fourth Amendment	2

Unit #	Unit Title	Assigned Readings	Graded Activities			
			Grading Category	#	Activity Title	Grade Allocation
						(% of all graded work)
4	Security and Privacy of Financial and Health Information	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>▪ Chapter 4</li> <li>▪ Chapter 6</li> </ul>	Quiz	4.1	Quiz 2	2
			Lab	4.2	Analysis and Comparison of Gramm Leach Bliley and Health Information Portability and Accountability Act	2
			Assignment	4.3	Privacy or Security Complaint to the Office of Civil Rights	2
5	Security and Privacy Involving Corporations and Educational Institutions	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>▪ Chapter 5</li> <li>▪ Chapter 7</li> </ul>	Discussion	5.1	Privacy in the Workplace	1
			Lab	5.2	Issues Related to Sharing Confidential Information	2
			Assignment	5.3	Protect Children on the Internet	2
6	Federal and State Laws on Privacy, Information Security, and Breach Notification	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>▪ Chapter 8</li> <li>▪ Chapter 9</li> </ul>	Quiz	6.1	Quiz 3	2
			Lab	6.2	Breach Notification Law	2
			Assignment	6.3	Analysis of the Breach Notification Law Letter	2
7	Intellectual Property Rights	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>▪ Chapter 10</li> </ul>	Discussion	7.1	Copyright and its Various Owner Rights	1
			Lab	7.2	Digital Millennium Copyright Act	2
			Assignment	7.3	Violation of Copyright Privileges	2
8	Cyberspace and the Law	<i>Legal Issues in Information Security:</i>	Quiz	8.1	Quiz 4	2
			Lab	8.2	Cyber Stalking and	2

Unit #	Unit Title	Assigned Readings	Graded Activities			
			Grading Category	#	Activity Title	Grade Allocation
						(% of all graded work)
		<ul style="list-style-type: none"> <li>▪ Chapter 11</li> <li>▪ Chapter 12</li> </ul>			Cyber Bullying Laws	
			Assignment	8.3	Organized Cybercrimes	2
9	Information Security Governance	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>▪ Chapter 13</li> </ul>	Discussion	9.1	Risk Analysis	1
			Lab	9.2	Creation of Security Policies	2
			Assignment	9.3	Executive Summary on Risk Mitigation	2
10	Risk Analysis, Incident Response and Computer Forensics	<i>Legal Issues in Information Security:</i> <ul style="list-style-type: none"> <li>▪ Chapter 14</li> <li>▪ Chapter 15</li> </ul>	Discussion	10.1	Computer Forensics	1
			Lab	10.2	Computer Forensics Suites	2
			Assignment	10.3	Executive Summary on Computer Forensics Suites	2
11	Course Review	N/A	Project	11.1	Document Retention Policy and Litigation Hold Notices	22
			Exam	11.2	Final Exam	24

## Evaluation and Grading

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### Evaluation Criteria

The graded assignments will be evaluated using the following weighted categories:

Category	Weight
Assignment	20
Lab	20
Project	22
Discussion	6
Quiz	8
Exam	24
<b>TOTAL</b>	<b>100%</b>

### Grade Conversion

The final grades will be calculated from the percentages earned in the course, as follows:

Grade	Percentage	Credit
A	90–100%	4.0
B+	85–89%	3.5
B	80–84%	3.0
C+	75–79%	2.5
C	70–74%	2.0
D+	65–69%	1.5
D	60–64%	1.0
F	<60%	0.0

## **Academic Integrity**

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All students must comply with the policies that regulate all forms of academic dishonesty, or academic misconduct, including plagiarism, self-plagiarism, fabrication, deception, cheating, and sabotage. For more information on the academic honesty policies, refer to the Student Handbook.

(End of Syllabus)