Fundamentals of Info Security (ITSY 1300) Online

Credit: 3 semester credit hours (3 hours lecture, 0 hours lab)

Prerequisite/Co-requisite: Completed the Online Orientation and answered Yes to 7+ questions on the Online Learner Self-Evaluation: https://www.lit.edu/Online-Learning/Online-Orientation/Is-Distance-Learning-Right-for-Me/Self-Evaluation/.

Course Description

An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. *This course is time-bound, structured, and completed online.*

Required Textbook and Materials

1. Cengage MindTap access to **Security Awareness: Applying Practical Security in Your World, 5th Edition, Ciampa, Mark; Cengage, 2017**
   a. **How to buy** your Course Materials
      Step 1: Sign into **Blackboard** and click on **this course**
      Step 2: Click on the Cengage link: **Getting Started with MindTap** in the *Unit 0: Getting Started* section.
      Step 3: Create or sign into your Cengage account to access or purchase the materials for this course.
      NOTE: If you are taking additional courses that use Cengage materials, you can save by purchasing a Cengage Unlimited plan, which gives you access to all Cengage eTextbooks and online homework platforms for one price. Visit cengage.com/unlimited or your campus bookstore to learn more.
   b. Beware of sites that are selling discounted codes. These sources are likely unauthorized sellers who have acquired access codes illegally, and transactions with such sources may pose a risk to your personal information.
   c. Need help? Visit startstrong.cengage.com for step-by-step registration instructions and videos.
2. Computer with internet access.

Course Objectives

Upon completion of this course, the student will be able to:

1. Outline best practices for the information security goals of confidentiality, integrity and availability
2. Explain ethical practices.
3. Define vocabulary/terminology related to information security.
4. Explain the importance of planning and administrative controls.
5. Identify security threats, vulnerabilities, and countermeasures.
6. Identify procedures for security risk management.

Course Outline
Unit 1. Introduction to Security
- Challenges of Securing Information
- What is Information Security?
- Who are the Attackers?
- Building a Comprehensive Security Strategy

Unit 2. Personal Security
- Personal Security Attacks
- Personal Security Defenses

Unit 3. Computer Security
- Attacks Using Malware
- Computer Defenses

Unit 4. Internet Security
- How the Internet Works
- Internet Security Risks
- Internet Defenses

Unit 5. Mobile Security
- Mobile Attacks
- Mobile Defenses

Unit 6. Privacy
- Privacy Primer
- Privacy Protections

Grade Scale
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Evaluation
Final grades will be calculated according to the following criteria:

Discussion Posts	10%
Quizzes/Labs	30%
Tests	30%
Final Exam	30%

Course Requirements

1. Satisfactory exam grades.
2. Satisfactory attendance.
3. Satisfactory utilization of online component included with textbook.
4. Satisfactory participation in discussion area.

Course Policies

1. You must log onto Blackboard and access this course a minimum of three times per week.
2. Certification: If a student passes the certification test that is associated with this class, you will receive an "A" on the final exam and credit for 25% of your labs. If you have missed a previous test, you must still take the final exam to substitute for that grade.
3. If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an 'F' in the course.
4. A grade of 'C' or better must be earned in this course for credit toward degree requirement.
5. Internet Usage – Students are expected to use proper net etiquette while participating in course emails, assignment submissions, and online discussions.
6. Additional course policies, as defined by the individual course instructor, will be outlined in the course addendum and provided by the instructor.

Technical Requirements

The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:
https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support/Browser_Checker.
A functional internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

Disabilities Statement

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 839-2018. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

Starfish

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff, all through the Starfish home page. You can also log in to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT. For more information, visit https://lit.edu/student-success/starfish.

Student Code of Conduct Statement

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu or obtained in print upon request at the Student Services Office. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.