



## **Itsy 1342: Information Technology Security**

**Course Syllabus: Spring 2017**

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"Northeast Texas Community College exists to provide responsible, exemplary learning opportunities."

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	9:30 - 11:00 12:30-3:00	9:30 - 11:00	9:30 - 11:00 12:30-3:00	9:30 - 11:00	None	By Appointment

*The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.*

**Catalog Course Description (include prerequisites):** Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools, encryption; and protection from viruses. Prerequisites: ITNW 1325

**Required Textbook(s):**

Text Book: Security+ Guide to Network Security Fundamentals, 4th edition  
Mark Ciampa, Ph.D.

**Publisher:** Course Technology

**ISBN Number:** 1-111-64012-2

**Recommended Reading(s):**

Any available resources relating to computer and networking security.

**Student Learning Outcomes:**

1. Students will demonstrate the ability to employ the physical security of network infrastructure components using National Institute of Standards and Technology (NIST) Guidelines and other best practices.
2. Students will demonstrate the ability to develop backup procedures to provide for data security.
3. Students will demonstrate the ability to use network operating system features to implement network security.
4. Students will demonstrate the ability to identify computer and network threats and vulnerabilities and methods to prevent their effects.
5. Students will demonstrate the ability to use tools to enhance network security.
6. Students will demonstrate the ability to use encryption techniques to protect network data.

**Exemplary Educational Objectives:**

N/A

**SCANS Skills:**

(C1,C5,C6,C7,C8,C10,C12,C13,C15,C16,C18,C19,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12,F13,F14,F15,F16,F17)Academic transfer - type N/A

**Lectures & Discussions:**

Students are expected to read the book chapters in addition to viewing the lecture and related videos. For each chapter students will complete the review questions, quiz, and any related lab activities.

**Evaluation/Grading Policy:**

Midterm Exam: 15%

Final Exam: 15%

Chapter Quizzes: 40%

Review Questions: 10%

Movie Activities: 10%

Security Design Project: 10%

**Exams and Quizzes:**

There will be two major proctored exams for the course in addition to online chapter quizzes. You must take the proctored midterm and final exams at an approved testing facility. For NTCC students, the best location is the college testing center located in the Business Technology building. For students at other colleges an approved testing location must be discussed with the course instructor. The online chapter quizzes can be taken at home. All exams and quizzes will consist of mostly multiple choice questions with a few short answer questions as well. Makeup tests will not be given unless arrangements have been made prior to the test time.

**Review Questions:**

You are required to answer the multiple choice review questions at the end of each chapter and submit them to your instructor through BlackBoard.

**Movie Activities:**

You will be required to watch the movie Sneakers and complete the associated assignments. This is an older movie but many of the topics are still important today. More information will be provided later.

**Security Design Project:**

You will be required to complete a design project that incorporates security concepts learned throughout the course. More information will be provided with the project details.

**Other Course Requirements:**

Supplies Needed: Materials for taking notes and a USB jump drive.

**Student Responsibilities/Expectations:**

Be prepared and read the appropriate material in the textbook.

You are expected to turn in completed assignments through Blackboard. Any assignments marked late by the interface may receive up to a 10% late penalty.

Unless specifically indicated by the instructor, collaboration on assignments among students is not intended or allowed. Assignments are to be performed individually, and any material handed in by a student should represent that student's own work. If a student is found cheating, their overall class grade will be reduced by a minimum of one letter grade, and the student may receive an F depending on the situation. If two students turn in assignments that are identical or very nearly identical, BOTH students will be given a 0 for that assignment. Don't copy another student's work, and don't let someone else copy yours.

### **NTCC Academic Honesty Statement:**

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

### **Academic Ethics**

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

### **ADA Statement:**

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the NTCC Catalog or Student Handbook.

### **Family Educational Rights And Privacy Act (Ferpa):**

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

### **Other Course Policies:**

#### **STUDENT CONDUCT IN CLASS POLICY:**

Any acts of classroom disruption that go beyond the normal rights of students to question and discuss with instructors the educational process relative to subject content will not be tolerated, in accordance with the Academic Code of Conduct described in the Student Handbook.

