ITSY 1400-21201
FUNDAMENTALS OF INFORMATION SECURITY

Brookhaven College
Dallas County Community College District

This syllabus serves as our contractual agreement for course content and expectations. Read it and understand it completely. It has been designed to answer most questions you may have about the course. Check the syllabus first for answers to your question before contacting the professor.

PROFESSOR INFORMATION:
• Ms. Joselle Williams
• Phone: (972) 860-4902
• Email: jtwilliams@dcccd.edu
• Office Location: K102
• Office Hours: MTWR 11:30 A.M. – 1:00 P.M.

COURSE DESCRIPTION:
Basic information security goals of availability, integrity, accuracy, and confidentiality. Vocabulary and terminology specific to the field of information security are discussed. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning and administrative controls is also discussed. (3 Lec., 4 Lab.)

This is a WECM course, designated by the Texas Higher Education Coordinating Board as workforce education (technical) course and offered for credit and CEUs (Continuing Education Units). While these courses are designed to transfer among state community colleges, they are not designed to automatically transfer to public four year colleges and universities.

COURSE PREREQUISITES:
This course does not have a pre-requisite. In general, students taking this course are expected to have a working knowledge of the Windows operating system, networking terminology, and be able to use a search engine to find information on the World Wide Web. Students desiring a review should consult any general Introduction to Computers text.

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

• Explain the basic concepts and vocabulary of event information security, such as security models and layers, confidentiality, integrity, availability, accountability, auditability, cryptography, security policy and risk management.
• Identify exposures and vulnerabilities and appropriate countermeasures.
• Identify the importance of appropriate planning and administrative controls.
• Define an information security strategy and architecture.
• Plan for and respond to intruders in an information system.
• Identify and prioritize information assets.
• Identify and prioritize threats to information assets.
• Describe legal and public relations implications of security and privacy issues.
• Present a disaster recovery plan for recovery of information assets after an incident.
COURSE MATERIALS:
Students are required to purchase the following electronic text:


Students may purchase this from the Brookhaven College Bookstore (phone 972-484-7651) or visit eFollett.com online

You will also need a computer that can access the internet.

COURSE OUTLINE:

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<td>Module 2 – The Need for Security</td>
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STUDENT EXPECTATIONS:
Experiences in this course include:

- Reading assignments
- Homework assignments
- Lab assignments
- Research using the Internet, followed by information sharing on occasion
- Discussions
- Testing
INSTRUCTOR EXPECTATIONS:

**Class Work:** To be successful in this class, you must put in the time to read and complete the assignments. If you allow yourself to neglect your studies you will fall quickly behind and end up performing below your expectations. You should have a reliable computer with reliable access to the internet outside of class.

**Attendance:** Although attendance is taken every day; points are not deducted for missing a day. However, you may earn bonus points at the end of the semester for perfect or near perfect attendance.

- 0 absences – 10 bonus points awarded
- 1 absence – 5 bonus points awarded
- 2 absences – 3 bonus points awarded

It is expected that you will arrive to class on time. There’s a quote by Eric Jerome Dickey that states, “Early is on time; on time is late, and late is unacceptable.” Being more than 15 minutes late to this class will have consequences that could result in a final course grade that is lower than your expectations.

**Lab Assignments:** Labs are used to reinforce the learning objectives from the course. Labs will consist of in-class hands-on exercises and online written exercises on the MindTap website. All lab assignments must be submitted by the due date to avoid penalties. Most labs will be accepted up to 3 class periods late with a penalty of -10 points per day. Labs more than 3 days late will receive a grade of zero (0). The exception is the in-class labs. **In-class labs cannot be made up** since many of them involve group participation. If you miss an in-class lab, a grade of zero (0) will be recorded for that lab. You should take the lab work very seriously - failure here may cause you to fail the entire course.

**Quizzes** must be taken on (or before) the date specified in the syllabus. The Course Schedule lists the dates for quizzes. Quizzes will be completed online and will be made available to students one week prior to the due date. There are no makeups for missed quizzes; however, the lowest quiz grade will be dropped.

A **comprehensive Final Exam** will be given at the end of the course, and it will have a time limit of two hours. The final exam must be taken on (or before) the date specified. There is no makeup opportunity if you miss it.

**Additional Policies Established by the Instructor:**

- **Respect** for fellow class members and the instructor is expected at all times. This class utilizes classroom discussion and students need to feel free to express opinions without disrespect from peers.
Disruptive or inappropriate behavior, including sleeping in class, will not be tolerated. Disruptive or inappropriate behavior will result in expulsion from the class and loss of any points earned that day.

Cell phones – Students may have cell phones placed face down on the table. No cell phone use is allowed during the class period.

Academic Integrity – All work in this course is considered scholarly work undertaken with the understanding that academic honesty is the only acceptable behavior for students. Further, it is understood that the professor sets the standards of academic integrity in this course, determines when those standards have been violated, and determines the consequences of that behavior by the student.

Plagiarism – Students are NOT allowed plagiarism in any form. This applies to all work. Each student is responsible for answering questions and all other work in his/her own wording. Duplication of the work of others will result in a ZERO (0) for the work. Any work which requires research also requires documentation. All sources must be documented with both parenthetical referencing (author, date) and sources cited. Copying and Pasting without quotation marks is plagiarism, which is cheating. Work containing cut and paste will not be graded (resulting in a zero on the assignment). If you need a quote (for emphasis only) — make SURE you have provided quotation marks. Failure to do so will result in a zero on the assignment.

Cheating is defined as collusion, collaboration, providing assistance, access and use of material intended for Professors only, viewing of another students' work before or after submission for grading, file sharing, password sharing, fabrication, plagiarism, or copying from the Internet. None of these behaviors will be tolerated. Excuses such as "It was an accident" or "I didn't know we couldn't work together" will not relieve the student of penalties. There are no acceptable explanations for any of these behaviors.

Students are expected to do their coursework by themselves unless it is specifically noted that group work is allowed for a particular item. Violations of this rule are considered cheating and will be penalized.

For the first offense, a grade of 0 will be issued to all students involved for the coursework in question. Students then failing to complete all further coursework on their own will receive a grade of F for the entire course.

Students often share a computer at home or in an office with another student or students who is/are also simultaneously enrolled in this course. Sharing a computer is permitted, provided:

1) Your professor is notified, AND
2) You work on the shared computer at a different time from the person(s) you are sharing the computer with, AND
3) You do not view the monitor while the other person(s) is/are working on the course, AND
4) You do not at any time view any printouts or files of the person(s) you are sharing the computer with, AND
5) Your files are placed in separate folders or on separate storage media from the person(s) you are sharing the computer with. If you do not know how to do that, ask your professor.
Institutional Polices

For more information about the withdrawal policy, Financial Aid statement, religious holidays, academic integrity and more see: http://www.brookhavencollege.edu/syllabipolicies.

The last day to drop this course with a grade of “W” is Thursday, November 14.

All students in this course are expected to abide by the rules and regulations as set forth in both the DCCCD Student Code of Conduct and the DCCCD Computer Use Policy. Failure to comply may result in legal and/or disciplinary action.

Access for Students with Disabilities

Brookhaven College complies with Section 504 of the Rehabilitation Act, and the Americans with Disabilities Act.

Note: The instructor reserves the right to change the syllabus anytime.