ITSY 1400 Fundamentals of Information Security

Brookhaven College
Dallas County Community College District

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) courses 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.

On-line means that you take the entire course via a computer connected to the Internet and do not have to attend scheduled class meetings or visit the campus during the semester. On-line also implies that you will use the Internet as a research tool when working on various assignments. While you may work wherever and whenever you like, you will be expected to follow a schedule with due dates for various activities. Your average time commitment should be between 7 and 10 hours per week on this course.

Important Note: On-line courses have advantages and disadvantages over regular classroom classes and it’s very important that you be aware of the differences. Before you register or begin your work, have a look at “Should I
**Take an On-line Course?**. It's located in the Course Information section - the same place that you found this syllabus.

Students are required to use the following textbook:


The phone number of the Brookhaven College Bookstore is 972-484-7651. Students outside of Dallas County may order their books via web or telephone. Contact the Follet Company by pointing your browser at [http://www.bhedcccd.bkstr.com](http://www.bhedcccd.bkstr.com) or 972-484-7651. More information about ordering is available on the Dallas Telecollege Home.

You will need a computer that can access the internet.

**STUDENT EXPECTATIONS:**

Experiences in this course include:

- Reading assignments.
- Online attendance. Although this is not a traditional class with specific meetings at given times, your "attendance" is measured by the frequency and quality of your interactions with your instructors and, in some cases, other students through the completion of the participation project. For more information regarding the participation assignment in this course please see the Assignment Section.
- Homework assignments.
- Self-directed research using the Internet, followed by information sharing on occasion.
- Communicating via live chat, a newsgroup-type discussion board and E-Mail.
- Testing.

---

**GRADING ELEMENTS:**

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>VALUE</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>500</td>
<td>A</td>
</tr>
<tr>
<td>Laboratory</td>
<td>500</td>
<td>B</td>
</tr>
<tr>
<td>Assignments</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Total</td>
<td>1000 points</td>
<td>D</td>
</tr>
</tbody>
</table>

**FINAL GRADE VALUES:**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>900 - above</td>
</tr>
<tr>
<td>B</td>
<td>800 - 899</td>
</tr>
<tr>
<td>C</td>
<td>700-799</td>
</tr>
<tr>
<td>D</td>
<td>600 - 699</td>
</tr>
<tr>
<td>F</td>
<td>599 -below</td>
</tr>
</tbody>
</table>
General Course Policies:

1. This is not a self-paced class. Your work in this course should generally follow the Course Schedule, which includes due dates for assignments. Late assignments may be assessed a penalty of 1 point per day. Please contact your instructor in case of illness or an absence which will take you "off-line" for a period of time. He will be happy to work with you and make schedule adjustments if necessary.
2. You are always welcome to ask questions of your instructor, and are encouraged to do so. You may also hold discussions with other students as well but you are expected to do your assignments alone. This course is, after all, more about your learning programming than simply scoring a lot of points. You're only cheating yourself if you cheat.
3. You may not turn in an assignment more than one time for credit (i.e. Don't correct mistakes and re-submit). We will use the Assignment manager to submit assignments. Do not use the Digital Drop Box or email.
4. All tests are on-line and may be taken after they are posted. Your Course Schedule has test dates. You may not repeat a test for a higher grade.
5. You may use any material you desire to aid you in your test taking, but you may not work with another student, also test are timed. Different people get different versions of the tests, so it won't help you anyway.
6. Your instructor will hold periodic on-line chat sessions, typically once a week for an hour. During this time, you may discuss whatever you like with your instructor and other students present in the virtual classroom.
7. Your instructor will make every attempt to follow the general guidelines listed below to insure that you receive timely feedback when communicating. Times or days listed do not include weekends and holidays, and are the longest you may have to wait. In many cases you will actually get a response in less time.
   - Student questions/comments/problems sent via E-Mail - reply within 48 hours
   - Student questions/comments/problems sent via phone message - reply within 48 hours.
   - Assignment submissions sent via email - grade posted within 7 days (after assignment due date).
8. All of your coursework must be completed by the last course day (as noted in the Course Schedule). Your instructor must submit your final course grade to the Brookhaven Registrar on the next day, so it will do you no good to submit work or take a test after that point.
9. Grades in the online gradebook are posted for your convenience and may not actual grade in the course. If you have questions regarding your grade please contact your instructor.
10. Coursework submitting without the proper header, name/date/assignment title, will not be graded and receive a zero in the gradebook.

Syllabus Addendum:

For more information about the withdraw policy, Financial Aid statement, religious holidays, academic integrity and more see: https://www.brookhavencollege.edu/bhc-employees/documents/bcsyllabus_addendum.pdf

INSTRUCTOR DATA:

- Mr. Tri To
- Email: trito@dcccd.edu