

Syllabus: IS 631 Information Security

Information Security
Information Systems | College of Information Technology and Engineering
Spring 2009
Dr. Tracy Christofero, PMP, CIPP/G

This course begins online January 12, 2009 and ends May 8, 2009

Office

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On-line daily

Course Requirements

Pre-requisites: Permission of instructor

Students will need familiarity with desktops, operating systems, DOS, networks, and software installation.

Course Materials

- M. Whitman and H. Mattord. Principles of Information Security, 3rd edition (Course Technology, 2009).
- Access to a PC/Laptop for software evaluation and connection to the Internet
- DSL or cable broadband connection (dial-up is painful)
- PowerPoint

Technical Requirements

- For minimum hardware/software requirements please see: <http://www.marshall.edu/muonline/hardwaresoftwarecheck.asp>
- Be sure to run the free Web browser tuneup: <http://www.marshall.edu/muonline/support/tuneup.asp>
- If you have technical problems, please go to the Help Desk: <http://www.marshall.edu/muonline/technicalfaq.asp>
- MU acceptable use policies should be reviewed at <http://www.marshall.edu/ucs/CS/acctuse.asp>

- **HELP DESK PHONE NUMBERS:**
(304) 696-3200 (Huntington, WV)
(304) 746-1969 (Charleston, WV)
(877) 689-8638 (Toll free)

Course Details

An introduction to the management, technical, and administrative aspects of Information Security and Assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features.

The purpose of the course is to provide the student with an overview of the field of Information Security and Assurance. Students will be exposed to the spectrum of security activities, methods, tools, and procedures. Coverage will include inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses and an overview of the Information Security Planning and Staffing functions. The course will be taught as an on-line class.

After completing the course, students will be able to:

- Identify and prioritize information assets.
- Identify and prioritize threats to information assets.
- Define an information security strategy and architecture.
- Plan for and respond to intruders accessing computing resources.
- Describe legal and public relations implications of security and privacy issues.
- Perform a basic computer security review
- Evaluate software tools to manage security.
- Define current issues in information security.

Course Format

The course is arranged into 8 Units of two weeks each. All activities for the Unit are available in the **Table of Contents** for each Unit and displayed to the left of the Unit's Introduction page. Students should complete all activities by Sunday evening. The new Unit activities for each week are available on Sunday evenings.

Assignments

All assignments are done individually. The course objectives will be met by a variety of assessments including: quizzes, case study development and analysis, exercises in planning and managing security.

Assignments are to be submitted to the instructor via the MUOnline Assignment dropbox only and must be received prior to the stated deadline (midnight on due date for local time). Please do not paste your assignment into the comments section. All assignments must be submitted as an attachment. Assignments are due on Sundays by midnight. No assignments will be accepted via email. Late assignments will not be accepted. Make sure to check for assignments returned with comments to edit rather than a grade. Copying content from Web resources without proper attribution is the same as plagiarism and will be penalized.

Exams and Quizzes

Quizzes: There are 8 quizzes worth 25 points each that are available during each two-week unit (1 quiz per Unit). They become available on Sunday at midnight and disappear on the next Sunday at midnight. Quiz questions are based on the articles, textbook, and Web resources. If you forget to take a quiz it cannot be made up. All quizzes are open book and have a time limit of 30 minutes to 1 hour depending on the type of questions.

Course Grading

Assessment

Assignments	800
Quizzes	200
Case study	200

1200 **points total**

Grade Evaluation:

A	90% - 100%
B	80% - 89%
C	70% - 79%
F	69% or below

An incomplete will **not** be given unless a documented emergency exists at the end of the semester that prevents the completion of the class. An Incomplete will be given only when all assignments have been turned in and the student received a passing grade up to the point of the request for the incomplete. The work not completed must have an agreed-upon due date for completion.

Course Policies

- There are no exams for the course. Graduate students are expected to master the course content through a demonstration of all of the following: critical analysis, writing, and research.
- There will be 8 quizzes worth 25 points each beginning the 1st week of the course in Unit 1. Quiz content is based on the reading (both textbook and articles), and PowerPoint slides.
- The course Gradebook (to track your progress) will be available in MUOnline. Please check it and alert me if an assignment grade does not appear or is incorrect.
- Assignments are individual. All work submitted must be completely the original work of the student submitting them and include proper citations to the published work of others. Cutting and pasting from online resources must include a citation. Citing an entire article will not count as an original work for grading purposes. Be aware that cutting and pasting activities can be forensically discovered.
- There are a number of tools that can help you use MUOnline. Links to downloads <http://www.marshall.edu/muonline/vista101guide.asp> and a demo course at http://www.marshall.edu/muonline/vista101_student.asp will help orient you to the tool set.
- Students should check online for new assignments and announcements. Lecture slides may also be downloaded from the Web site.
- APA style is the accepted format for citations in this course.
- Poor preparation demonstrated by major spelling and grammar errors on written work, lack of organization of student work and failure to participate in class activities will result in a poor grade. Students with weak English language skills should consider using the Writing Center on the Huntington campus to assist them in editing their papers. The link to the campus writing center is <http://www.marshall.edu/english/writingcenter>.
- Incompletes will not be given unless a medical or other serious circumstances arise beyond the control of the student. Any medical emergencies must be appropriately documented. An incomplete is awarded only when all the coursework has been turned in and passed prior to the request for an Incomplete. The Incomplete grade must be made up by a mutually agreeable date not to exceed one year.

Resources

Don't hesitate to contact me directly with questions or concerns. E-mail is the best way to reach me. Please do not let your questions hang out there and simmer. If you are not sure about something, the best thing to do is to ask about it right away.

Support Services

Marshall University offers a variety of support services to students enrolled in online courses:

- [Tutoring Center Online](#)
 - [Writing Center Online](#)
 - [Libraries](#)
 - [Textbook Service](#)
 - [Disabled Student Services](#)
 - [Campus Resources](#)
 - [Technical Help](#)
 - [VISTA Help](#)
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