Small Systems Technology   Spring 2011

Course number: M&IS 34045

Section: 001

CRN: 11868

Location: McGilvrey Hall 310

Meeting day: TR

Meeting Time: 5:30 pm - 6:45 pm

Instructor Name: Professor Janet Formichelli, MS

E-mail: jformich@kent.edu

Office location: BSA A410

Office hours: TR 12:45-2:00, 3:45-5:00

Office phone: 330-672-1159 (e-mail preferred)

Course Description

This course provides an overview of computer security today. It is also a comprehensive guide for anyone wishing to take the CompTIA Security+ 2008 exam. The course covers all of the new CompTIA Security+ 2008 exam objectives and maps to the new Security+ 2008 exam.

Prerequisites: M&IS 24053, M&IS 24060, M&IS 24065

Students attending the course who do not have the proper prerequisite risk being deregistered from the class.

Enrollment:

Students have responsibility to ensure they are properly enrolled in classes. You are advised to review your official class schedule (using Student Tools/Flashfast) during the first two weeks of the semester to ensure you are properly enrolled in this class and section. Should you find an error in your class schedule, you have until Sunday, January 23, 2011 to correct the error with your advising office. If registration errors are

not corrected by this date and you continue to attend and participate in classes for which you are not officially enrolled, you are advised now that you will not receive a grade at the conclusion of the semester for any class in which you are not properly registered.

Summary of key components of the course:

- Introduction to Security

- System Threats and Risks

- Protecting Systems

- Network Vulnerabilities and Attacks

- Network Defenses

- Wireless Network Security

- Access Control Fundamentals

- Authentication

- Performing Vulnerability Assessments

- Conducting Security Audits

- Basic Cryptography

- Applying Cryptography

- Business Continuity Planning and Procedures

- Policies and Legislation

Textbook:

Mark Ciampa, *Security+ Guide to Network Security Fundamentals*. Course Technology Incorporated, 2009, ISBN 13: 978-1-4283-4066-4

Vista 8.0:

The Vista site, http://vista8.kent.edu , will basically manage the course. The syllabus, assignments, Power Point slides, and other course information will be found there. If

you need help with Vista 8, there should be some training material on the site after you log on.

Course Requirements:

3 exams: (50 points each)	150 points
Presentation:	40 points
Lab Presentation:	10 points
Quizzes:	(if time permits)
Total:	~200-250 points

Grading Scale:

This scale is followed closely. There is no rounding up if you are close.

There is no extra credit.

A (4.0) 93-100

A- (3.7) 90-92

B+ (3.3) 87-89

B (3.0) 83-86

B- (2.7) 80-82

C+ (2.3) 77-79

C (2.0) 73-76

C- (1.7) 70-72

D+ (1.3) 67-69

D (1.0) 60-66

F (0.0) 0-59

E-mail:

When there are schedule changes or other announcements, the instructor will e-mail you using your KSU e-mail address. Check this frequently. If you commonly use another address, forward your Kent e-mail to that address. In your Google e-mail, go to Settings and then Forwarding and POP/IMAP.

Attendance:

Missing class is not an excuse for failure to understand material or complete assignments. Material covered in class will not be covered again outside of class. It is up to you to read the material and get notes from another student if you miss class Do not expect any help during office hours or by e-mail if you do not attend class regularly.

Class Presentation

Students will give a group presentation in class on a pertinent security topic. Also, a presentation of one of the lab exercises will be given by the same group.

Make-up Exams:

Make-up exams are given only under extraordinary circumstances. Inform the instructor as soon as possible (ideally before the exam). Some form of written excuse for absence from an exam is required.

Academic Honesty:

University Policy: Cheating means to misrepresent the source, nature, or other conditions of your academic work (e.g., tests, papers, projects, assignments) so as to get undeserved credit. The use of the intellectual property of others without giving them appropriate credit is a serious academic offense. It is the University's policy that cheating or plagiarism result in receiving a failing grade for the work or course. Repeat offenses result in dismissal from the University.

Students with Disabilities:

University policy 3342-3-18 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through the Student Accessibility Services (contact 330-672-3391 or visit www.kent.edu/sas for more information on registration procedures).

Graduation:

It is your responsibility to apply for graduation before the set deadline. If you apply after the deadline you will be assessed a $200 late fee. Please see your academic advisor as soon as possible if you are uncertain as to your progress toward graduation. The graduation application deadlines are follows:

Graduation Application Deadlines:

May Graduation: Apply before September 15th

August Graduation: Apply before December 15th

December Graduation: Apply before March 15th

To apply for graduation complete the following steps:

1. Log onto your Flashline account

2. Click on the Student Tools tab

3. Look in the Graduation Planning Tool Box

4. Click on Application for Graduation

**If an error message appears, you must contact your advisor.

See Tentative Schedule Below:

Tentative Schedule Spring 2011

Week 1	Tuesday	Jan. 11	Chapter 1	
	Thursday	Jan. 13	Chapter 1	
Week 2	Tuesday	Jan. 18	Chapter 2	
	Thursday	Jan. 20	Chapter 2	
Week 3	Tuesday	Jan. 25	Chapter 3	
	Thursday	Jan. 27	Chapter 3	**Presentation 1**
Week 4	Tuesday	Feb. 1	Chapter 4	
	Thursday	Feb. 3	Chapter 4	**Presentation 2**
Week 5	Tuesday	Feb. 8	Chapter 5	
	Thursday	Feb. 10	Chapter 5	**Presentation 3**
Week 6	Tuesday	Feb. 15	Chapter 6	
	Thursday	Feb. 17	Chapter 6	**Exam 1**
Week 7	Tuesday	Feb. 22	Chapter 7	
	Thursday	Feb. 24	Chapter 7	**Presentation 4**
Week 8	Tuesday	Mar. 1	Chapter 8	
	Thursday	Mar. 3	Chapter 8	**Presentation 5**
Week 9	Tuesday	Mar. 8	Chapter 9	
	Thursday	Mar. 10	Chapter 9	**Presentation 6**
Week 10	Tuesday	Mar. 15	Chapter 10	
	Thursday	Mar. 17	Chapter 10	**Exam 2**
	Sunday	Mar. 20	Last Day to Withdraw	
		Mar. 21-		Spring
		Mar. 27		Break
Week 11	Tuesday	Mar. 29	Chapter 11	
	Thursday	Mar. 31	Chapter 11	**Presentation 7**

Week 12	Tuesday	Apr. 5	Chapter 12	
	Thursday	Apr. 7	Chapter 12	**Presentation 8**
Week 13	Tuesday	Apr. 12	Chapter 13	
	Thursday	Apr. 14	Chapter 13	**Presentation 9**
Week 14	Tuesday	Apr. 19	Chapter 13	
	Thursday	Apr. 21	Chapter 14	**Presentation 10**
Week 15	Tuesday	Apr. 26	Chapter 14	
	Thursday	Apr. 28	Chapter 14	Course Evaluation
Week 16	Tuesday	May 3	5:45-8:00 PM	**Final Exam**