

**Course Syllabus**  
**CIS 521: Introduction to Information Assurance**  
**Spring 2011 Centurylink**

**INSTRUCTOR INFORMATION**

Instructor: Dr. Christie Fuller      Email: [cfuller@latech.edu](mailto:cfuller@latech.edu)      Phone: (318) 257-4011

Office hours: My office is 121 in the College of Business

Monday	1:00-4:30
Tuesday	1:30-3:30
	5:00-5:30 (Centurylink)
Friday	12:00-4:00

**Required Text**

Security+ Guide to Network Security Fundamentals (Third Edition) by Mark Ciampa, ISBN: 1-4283-4066-1

**Recommended Text**

Management of Information Security (3rd Edition ISBN: 1-4354-884-9) by Michael Whitman and Herbert Mattord or 2<sup>nd</sup> edition: ISBN : 1-4239-0130-4

**Course Description**

This course examines basic enterprise information systems assurance principles and examines operational, technical, and administrative aspects of information assurance.

**Brief Course Objective and Overview**

This course is designed to give students an understanding of information assurance concepts. You are advised to pay careful attention to the class lectures and lab exercises. Exam questions are based primarily on the material covered in class and are designed to test your *understanding of the underlying concepts of information assurance*. This course examines basic enterprise information systems assurance principles and examines operational, technical, and administrative aspects of information assurance. It also covers information security management and much of the common Body of Knowledge of the CISSP Exam. Please see related document posted on moodle for detailed course objectives.

**Responsibility**

***The student shall be responsible for all material covered in the class lectures.*** Each exam will include not only the material from the assigned text chapters, but also from any readings, guest lectures and any other materials covered in the class lectures. You are also responsible for any announcements made in class. Often times I have to change the Class Schedule or I may make announcements relevant for assignments.

**Exams**

We will have 2 exams. If you must miss a test for any reason, you must let me know ahead of time, except in the case of an emergency. If you miss the test for an unexpected reason, you must contact me as soon as you can after the test date. If you have an unexcused absence on a test day, you will get a zero on that test. If you have an excused absence for a test day, you will be allowed to take a make up test. Students must take the makeup exam by 5pm on Friday, May 13. You may be required to document the reason for your absence in order to have the absence excused and to be eligible for the makeup exam. Test dates will be announced in class. Documentation must be submitted to the instructor within 7 calendar days of the absence.

### **In Class Labs/Assignments**

We will conduct 2-4 in class labs. These labs will be conducted in groups. You may be asked to answer a series of questions concerning your findings in the lab. Labs cannot be made up. You will be required to sign an ethics agreement prior to participating in the labs. Lab dates will be announced in class. It is likely that all labs will be conducted during one course meeting. If you are unable to attend that course meeting, an alternative assignment can be completed.

If you do not sign the ethics agreement by the class period prior to the class period during which the first lab is held, you will receive a zero for that lab. You will not be allowed to participate in lab activities and will receive a zero for each lab until you sign the agreement.

There will be 2-3 assignments in addition to the labs. Assignments turned in after the due date/time will receive a score of zero, unless an approved excuse is provided to the instructor. Absence documentation must be submitted to the instructor within 7 calendar days of the absence. Assignments primarily take the form of article summaries on topics related to information assurance.

### **Paper**

Each student in CIS 521 will be required to write a 8-12 page paper (excluding title page and references) concerning a relevant information assurance topic. You may choose any topic in the information assurance arena that interests you, subject to the approval of your instructor. You may also choose to complete a more technical term project. Further guidelines will be provided by your instructor.

### **Technology Policy**

Laptops are not allowed in class. If you must leave your cell phone or pda on, please limit its use to emergency situations.

### **Attendance**

In accordance with university policy, attendance will be taken each class period. There are no course points for attendance. In the event that you have to miss class, lectures will be recorded using mediasite and will be available through a link posted on Moodle.

### **Evaluation**

<b>Exam 1</b>	<b>150</b>
<b>Exam 2</b>	<b>150</b>
<b>Assignments and Labs</b>	<b>100</b>
<b>Term Paper/Project</b>	<b>100</b>
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<b>TOTAL</b>	<b>500</b>

The final course grade will be determined as follows:

450-500 points	90% or above	A
400-449.99 points	80-89.99%	B
350-399.99 points	70-79.99%	C
300-349.99 points	60-69.99%	D
Less than 300points	Less than 60%	F

## Tentative Course Outline

Please note: We will only cover a portion of many of the chapters listed below.

Topic	Chapter or Date (Whitman 2 <sup>nd</sup> edition chapter in parentheses & italics)
Intro to Management of Information Security and Planning for Security	Whitman 1&2, Ciampa 1
Planning for Contingencies	Whitman 3, Ciampa 13
Access Control	Whitman 10 (9), Ciampa 7,8, 10
Information Security Policy and Risk management	Whitman 4, 8&9 (7&8), Ciampa 9, 13 &14
Test 1	Week of April 4
Cryptography	Whitman 10 (9), Ciampa 11&12
Digital Forensics Introduction	TBA
Personnel and Security	Whitman 11 (10)
Application Security, Operations Security and Physical Security	Ciampa 3, Ciampa 7
Ethical Issues and Social Engineering	Whitman 12 (11)
Developing the Security Program, Security Management Models and Practices (If time allows)	Whitman 5,6 &7 (5&6)
Test 2	Week of April 25
Information Assurance Lab exercise	May 10
Term Paper/Project Presentations	May 17

### Academic Integrity

Students are expected to read, understand, and adhere to the Louisiana Tech [Academic Honor Code](#). Violations of the honor code will be reported.

### STUDENTS WITH DISABILITIES

I am eager to assist in acquiring and providing reasonable accommodations for qualified individuals. Students needing accommodations are encouraged to discuss the need with me as soon as possible.

### Disaster preparedness

In the event that a disaster or other emergency results in campus closure, this course will continue via moodle. You will be required to login to <http://moodle.latech.edu> for further instructions. Please enroll in the Emergency Notification System to receive official campus updates. You may also refer to <http://www.latech.edu> or <http://www.latech.info> for updates.

***The instructor reserves the right, when necessary, to modify the syllabus: alter the grading policy, change examination dates, and modify the course content. The instructor also reserves the right to assign seats Modifications will be announced and discussed in class. Students are responsible for those changes.***