

Networking Systems Administration Department
Business/Public Service Division
GREENVILLE TECHNICAL COLLEGE

COURSE SYLLABUS

Course Title: IT and Data Assurance I

Course Number: IST 293

Lecture hours per week: 3.0

Lab/Clinic Hours:

Semester credit hours: 3.0

Prerequisite: IST 220

Catalog course description: This course introduces the basics of network security. Topics covered will include network vulnerabilities and threats, security planning, security technology, network security organization as well as legal and ethical issues related to network security.

Purpose of the course: This course will provide students with a broad review of the entire field of information security, background on many related elements, and enough detail to facilitate an understanding of the topic as a whole. The course covers the terminology of the field, the history, and an overview of how to manage an information security program.

Required text(s) or other materials:

1. Principle of Information Security; Michael Whitman and Herbert Mattord; Third Edition; Course Technology;
ISBN: 1-4239-0177-0; *This book is used for both Online and Traditional courses.*
2. NOTE: Students in traditional classes must access Blackboard for course-related information. Students in hybrid and online classes will access their online content through Blackboard.

COLLEGE-WIDE STUDENT LEARNING OUTCOMES

1. Communication – Students will demonstrate the ability to use active reading and listening skills and to produce effective written and oral communication for varying audiences.
2. Information Technology and Technological Literacy – Students will demonstrate competency in using computer technology within a field of study.
3. Critical Thinking/Reasoning – Students will demonstrate the ability to apply the scientific method, mathematical processes, and research skills to analyze and solve problems/issues by using reflection and reasoning to justify conclusions.
4. Professional and Personal Responsibility – Students will demonstrate the ability to exhibit conduct, attitudes, and etiquette appropriate to the student's community and chosen career. Students will demonstrate the ability to manage time, to use effective interpersonal skills, and to display responsible behavior.

5. Diversity – Students will demonstrate the ability to recognize diversity and to demonstrate respectful conduct and attitudes toward all. Students will demonstrate the ability to explain how global issues impact life, work, and opportunities.

Approved March 26, 2009

NETWORKING SYSTEMS ADMINISTRATION PROGRAM STUDENT LEARNING OUTCOMES
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Upon successful completion of the Network Administration program, the graduate will be able to:

1. Set up, maintain, and troubleshoot computer and network hardware.
2. Install, maintain, and troubleshoot operating system and application software.
3. Construct and configure local area networks according to specification.
4. Administer and troubleshoot network operating systems.
5. Design and develop programming solutions to prescribed problems

Approved August 2009

IST 293 COURSE OUTCOMES

Students who successfully complete this course will have demonstrated a level of correct answers on the course assessment(s) that will be at least 80 percent for 80 percent of the course outcomes.

1. The student will be able to identify the components and the purpose of information security and the steps necessary to implement and information security.
2. The student will be able to describe risk assessment and how it is used to implement information security.
3. The student will be able to explain the purpose of information security components including firewalls, VPNs, Intrusion Detection Systems, Access Controls, and other security tools.
4. The student will be able to describe physical security and identify the components that make up physical security.

The outcomes of the IST 293 course are intended to meet the Network Administration program outcomes numbered 2, 3, and 4 above.

IST 293 – Main Topics

This calendar is TENTATIVE. It is intended for planning purposes only and may be changed at anytime by the instructor.

Date	Test Available	Assignment Due
08/17/10		Syllabus Assignment
08/19/10		Assignment 1
08/23/10		Assignment 2
08/27/10		Assignment 3
8/30/10-8/31/10	Unit Test 1 (Chapters 1,2,3)	
09/02/10		Assignment 4
09/07/10		Assignment 5
09/10/10		Assignment 6
9/13/10-9/14/10	Unit Test 2 (Chapters 4,5,6)	
09/16/10		Assignment 7
09/20/10		Assignment 8
09/24/10		Assignment 9
9/27/10-9/28/10	Unit Test 3 (Chapters 7,8,9)	
09/30/10		Assignment 10
10/4/10-10/5/10	Unit Test 4 (Chapter 12)	
10/6/10-10/8/10	Final Exam on Campus in Testing Center	

Tutoring is now available in the Business Division Student Lab located on the Barton Campus in the Engineering Building (#103), Room 115. The hours for tutoring are posted in the lab (ET 115); no appointment is necessary. There are no fees required for this service.

IST 293 – COURSE SPECIFIC REQUIREMENTS

SPECIAL NOTE TO ONLINE STUDENTS: Online students will be REQUIRED to come to the Barton Campus to complete hands-on labs. The number of required on-campus meetings will vary from class to class. Students should plan on at least 1 to 2 meetings. Online students will be required to complete the labs to satisfactorily complete the course. Also, the final examination for online students will be administered on the Barton Campus. The final examination will be scheduled at a time determined by the administration.

IST 293 – EVALUATION AND GRADING INFORMATION

Grades for this course will be calculated as follows:

Major Tests	60 percent
Assignments	20 percent
Final Exam	20 percent

NOTE: ALL GRADED TESTS AND EXAMS ARE RETAINED BY THE INSTRUCTOR.

- All assignments (i.e., labs, projects, research papers, etc.) for this course must be completed and submitted to the instructor by the due date established in order to receive full credit for the assignment.
- Assignments not submitted by the due date can receive up to a maximum of 80 percent credit if it is submitted within one week of the due date.
- Assignments submitted after one week of the due date will have a zero (0) grade recorded for the assignment.
- In the event that an assignment is made less than one week prior to the end of the course, the assignment must be submitted by the last day of class prior to the beginning of the final exam period and will not be accepted late.

Final letter grades will be issued as follows:

A	=	90 - 100	points
B	=	80 - 89	points
C	=	70 - 79	points
D	=	60 - 69	points
F	=	0 - 59	points

READ THIS SYLLABUS CAREFULLY

You should read this syllabus carefully and ask your instructor about *any* aspects that you do not understand. The syllabus is an agreement between you and your instructor concerning course objectives, course content, grading, and other policies and procedures particular to this course. The above information is specific to the course. Three additional documents are provided as attachments and *are considered a part of this syllabus*:

Attachment 1:

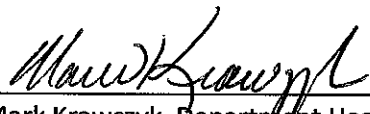
Each instructor will provide a supplement to this syllabus. The supplement will include: a week-by-week plan of instruction based on the section in which you are enrolled; your instructor's name, office hours and/or office location; and your instructor's contact information and recommended best methods to contact your instructor.

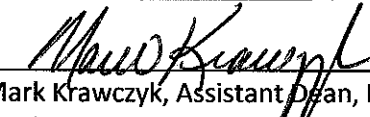
Attachment 2:

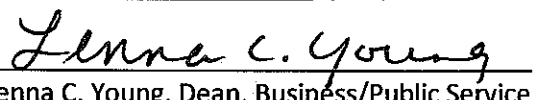
The Department responsible for developing and teaching has policies and procedures in place to assure quality instruction for all students. These are attached as "Departmental Policies and Procedures."

Attachment 3:

Please note that it is your responsibility to read the current Student Handbook included in Greenville Technical College's Catalog. (See website.) The Student Handbook addresses specific academic and student conduct policies and procedures. Excerpts from the Student Handbook representing the policies and procedures most often referred to in working with students are provided for your convenience as "Attachment 3."

Approved by: 
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13 Aug 10
Date

This syllabus will remain in effect until revised or reviewed no later than August 2011.