

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

COURSE SYLLABUS

Course Title: Computer Systems Management

Course Number: CPT 209

Lecture hours per week: 3.0

Lab/Clinic Hours:

Semester credit hours: 3.0

Prerequisite: Placement into MAT 101 or higher

Catalog course description: This course examines the methods and procedures used in maintaining microcomputer systems. Topics include hardware and software installation, configuration, operations, and troubleshooting.

Purpose of the course: Identify the most common personal computer hardware devices, define what they do, how they operate, how they are installed and configured, how their performance is measured, and how they interact with the operating system software to provide an effective and powerful computer system.

Required text(s) or other materials:

1. A+ Guide to Managing and Maintaining Your PC, Seventh Edition, Comprehensive; Jean Andrews, Ph.D.; Course Technology; ISBN-13: 9781435497788
2. PC Tool Kit
3. 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

CPT 209 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% for 80% of the course outcomes. Students will be able to:

1. Define terms associated with microcomputer systems.
2. Identify microcomputer and peripheral components.
3. Describe the operation of microcomputers and peripherals.
4. Demonstrate removing, installing, and configuring microcomputer components and peripherals.
5. Describe troubleshooting and maintaining microcomputer systems.

The outcomes of the CPT 209 course are intended to meet the Network Systems Administration program outcome numbered 1 above.

CPT 209 – Main Topics

**CPT 209 Computer Systems Management
2010 Fall Class Calendar (Days)**

This calendar is TENTATIVE. It is intended for planning purposes only and may be changed at anytime by the instructor.				
Date	Lecture	Laboratory	Test	Assignment Due
8/16	Orientation			
8/18	Chapter 1			
8/21				Syllabus Assignment
8/23	Chapters 1,4			
8/25	Chapter 4			
8/26				Assignment 1
8/30		Measuring Power Supplies		
9/1			Unit 1 (Chapters 1,4)	
9/8	Chapter 5			
9/13	Chapters 5,6			
9/15	Chapter 6			
9/20	Chapters 6,7			
9/22	Chapter 7			
9/23				Assignment 2
9/27		The Motherbaord - Part 1		
9/29		The Motherbaord - Part 1	Unit 2 (Chapters 5,6,7)	
10/4	Chapter 8			
10/6	Chapter 8			
10/7				Assignment 3
10/11		The Motherboard - Part 2		
10/13	Chapter 9			
10/18	Chapter 9			
10/20	Chapters 9,10			
10/25	Chapter 10			
10/27		System BIOS, CMOS Setup		
10/28				Assignment 4
11/1			Unit 3 (Chapters 8,9,10)	
11/3	Chapter 21			
11/8	Chapter 21			
11/10	Chapter 22			
11/15	Chapter 22			
11/17		Installing a Second HDD		
11/18				Assignment 5
11/22			Unit 4 (Chapters 21,22)	
11/29		Installing Multiple Monitors		
12/1		Building a Computer		
12/2				Assignment 6
12/6		Disassembling a Computer		
12/8 - 12/13			Final Examination	

CPT 209 – COMPUTER SYSTEMS MANAGEMENT Planned Schedule of Topics

**CPT 209 Computer Systems Management
2010 Fall Class Calendar (Nights)**

This calendar is TENTATIVE. It is intended for planning purposes only and may be changed at anytime by the instructor.				
Date	Lecture	Laboratory	Test	Assignment Due
8/19	Orientation, Chapter 1			
8/21				Syllabus Assignment
8/26	Chapters 1,4			Assignment 1
9/2		Measuring Power Supplies	Unit 1 (Chapters 1,4)	
9/9	Chapters 5,6			
9/16	Chapters 6,7			
9/23	Chapter 7	The Motherboard - Part 1		Assignment 2
9/30	Chapter 8		Unit 2 (Chapters 5,6,7)	
10/7	Chapters 8,9	The Motherboard - Part 2		Assignment 3
10/14	Chapter 9			
10/21	Chapter 10			Assignment 4
10/28	Chapter 21	System BIOS, CMOS Setup	Unit 3 (Chapters 8,9,10)	
11/4	Chapter 21, 22			
11/11	Chapter 22	Installing a 2nd HDD		Assignment 5
11/18		Building a Computer	Unit 4 (Chapters 21,22)	
12/2		Installing Multiple Monitors, Disassembling a Computer		Assignment 6
12/8 -12/13			Final Examination	

Disclaimer: The supplemental plan of instruction is provided as a guide for the course; however, it can be modified at the discretion of the instructor at any time.

CPT 209 – 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 2 to 3 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.

CPT 209 – EVALUATION AND GRADING INFORMATION

Grades for this course will be calculated as follows:

Assignments	10 percent	
Laboratories	10 percent	
Tests	60 percent	
Final Exam	20 percent	(75 percent written test and 25 percent hands-on lab portion)

- 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.

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

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.

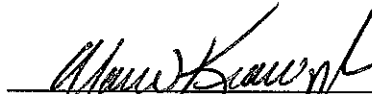
Attachment 2:

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."

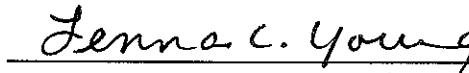
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13 Aug 10
Date

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