Computer Technology Department
Business/Public Service Division
GREENVILLE TECHNICAL COLLEGE

COURSE SYLLABUS

Course Title: Operating Systems

Course Number: CPT 257

Lecture hours per week: 3.0 **Semester credit hours:** 3.0

Prerequisites: Placement into MAT 101

Catalog Course Description: This course examines the theory of operating systems and how the operating system theory is implemented in current operating systems.

Purpose of the Course: To demonstrate what operating systems are, what they do, how they do it, how their performance can be evaluated, and how they compare with each other. To describe the complexities of the operating system without going into intricate detail.

Required text(s) and other materials:

1. A+ Guide to Managing and Maintaining Your PC, Seventh Edition, Comprehensive; Jean Andrews, Ph.D.; Course Technology; ISBN-13: 978-1-435-49778-8

2. Supporting Windows® 7; Jean Andrews, Ph.D.; Course Technology; ISBN-13: 978-1-111-31707-2

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

COMPUTER TECHNOLOGY - PROGRAM LEVEL STUDENT LEARNING OUTCOMES

1. Install computer and network hardware.
2. Install computer operating systems and application software.
3. Design, create and test computer programming solutions.
4. Demonstrate the ability to take initiative, assume responsibility, and work under pressure with minimum supervision by successfully completing "hands-on" computer assignments.
5. Analyze, troubleshoot, and correct computer related technical problems.

Revised August 2012

CPT 257 COURSE OUTCOMES

Upon completion of the course, the student will be able to successfully complete 70% of the following tasks:

1. Define terms associated with operating systems.
2. Explain operating system functions and features.
3. Install and maintain a desktop operating system.
4. Administer and troubleshoot a desktop operating system.
5. Describe basic skills expected of technical support professionals: customer service, troubleshooting strategies, roles and responsibilities.

The outcomes of the CPT 257 course are intended to meet the Computer Technology program level student learning outcomes.

Revised 1/2009

CPT 257 – MAIN TOPICS

- Introducing Operating Systems
- PC Maintenance and Troubleshooting Strategies
- Installing Windows
- Maintaining Windows
- Optimizing Windows
- Tools for Solving Windows Problems
- Fixing Windows Problems
- Supporting Windows® 7

CPT 257 – COURSE SPECIFIC REQUIREMENTS

SPECIAL NOTE FOR ALL 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 3 to 4 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 257 – 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)

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

Final letter grades will be issued as follows:

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

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 I:

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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6 Aug 12
Date

This syllabus will remain in effect until revised or reviewed no later than August 2013.