Piedmont Technical College Course Syllabus

COURSE INFORMATION

Course Prefix/Number: CPT 257
Title: Operating Systems
Responsible Division: Business, Information Technologies and Public Service

Last Day to Withdraw from this Course: For the last date to withdraw from this course, consult the current Student Calendar.

Course Description:

For course, credit hour, pre-requisite(s) and co-requisite(s) information, visit the Detailed Course Information page: www.ptc.edu/courses/CPT257.

Textbook and Other Materials:

For textbook information and additional required and/or supplemental materials, visit the college bookstore (www.ptc.edu/bookstore).

Proctored Examinations:

Proctored examinations for distance learning courses taken at non-PTC campuses may require a proctoring fee for each exam taken.

COURSE POLICIES

Course policies are available online through the Academic Catalog and Student Handbook. Visit the Course Policies page (www.ptc.edu/syllabus/policies) for a detailed list of important policies and more information.

GRADE POLICY

Detailed grading policy information can be found on the Grading Policy webpage (http://www.ptc.edu/grading-policy). Final grade appeal information is available in the Academic Catalog (http://www.ptc.edu/catalog/).
ACCOMMODATIONS

Accommodations for ADA:

Information is available on the Student Disability Services webpage (http://www.ptc.edu/ada).

RATIONALE

Why do I need this course?

Today’s computer network technician must have the skills to determine if a customer’s computer problem is hardware or software based. CPT 257 covers the skill set required to make this determination and correct most software problems.

PROGRAM INFORMATION

For program information including required courses, program learning outcomes, gainful employment information and advisement information, refer to the Academic Program webpage. Go to Academics (http://www.ptc.edu/academics), select your program, and then select Credentials Offered.

COURSE STUDENT LEARNING OUTCOMES

Upon successful completion of this course and/or clinical, each student will be able to:

- Compare and contrast the features and requirements of various Microsoft Operating Systems.
- Install and configure the operating system using the most appropriate method.
- Identify the basic functions and associated command language of an operating system using examples of mainframe, midrange, and PC systems.
- Demonstrate an understanding of real and virtual memory, paging, processor scheduling, multiprocessing, concurrent processes, networking, and security mechanisms.
- Troubleshoot common problems related to computers, mobile devices, and printers using appropriate tools.
- Demonstrate procedures and utilities used for system maintenance.

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• Compare and contrast common security threats and apply and use common prevention methods to secure a workstation.
• Explain the basic features of mobile operating systems.

GENERAL EDUCATION COMPETENCIES

Piedmont Technical College General Education Competencies for All Graduates:

This course may address one or more of the following General Education Competencies (assessment will be stated when applicable):

Communicate effectively.
Assessment:
N/A

Apply mathematical skills appropriate to an occupation.
Assessment:
N/A

Employ effective processes for resolving problems and making decisions.
Assessment:
Students will troubleshoot operating system problems.

Demonstrate the basic computer skills necessary to function in a technological world.
Assessment:
Students will use Microsoft Office for several assessments to complete assignments.

To validate proficiency in the general education competencies, students in some programs will be tested using Work Keys.